

Date \_\_\_\_\_

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Text Pages 163-186

# THERMAL HAIRSTYLING

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## INTRODUCTION

1. Explain why thermal waving is still known as marcel waving.

\_\_\_\_\_

2. Describe thermal waving and curling.

\_\_\_\_\_

\_\_\_\_\_

## THERMAL IRONS

3. Explain how the heat of thermal irons is controlled.

\_\_\_\_\_

4. Explain why irons must be made of the best quality steel.

\_\_\_\_\_

5. Name and describe the two parts of the styling portion of the irons.

1. \_\_\_\_\_

2. \_\_\_\_\_

6. List three classifications of thermal irons.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_

7. Explain why electric vaporizing irons should not be used on pressed hair.

\_\_\_\_\_

8. List two factors that govern temperature settings for irons.

1. \_\_\_\_\_

2. \_\_\_\_\_

9. Name two types of hair that should be curled and waved with lukewarm irons.

1. \_\_\_\_\_ 2. \_\_\_\_\_

10. Name two types of hair that can tolerate more heat than fine hair.

1. \_\_\_\_\_ 2. \_\_\_\_\_

11. Explain why thermal irons should not be used on chemically treated hair.

\_\_\_\_\_

12. Specify what is used to test the heated irons. \_\_\_\_\_

13. Describe how to test the irons.  
\_\_\_\_\_

14. Explain what happens if the irons are too hot. \_\_\_\_\_

15. List three types of hair that withstand less heat than normal hair.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_

16. Describe how to remove dirt or grease from thermal irons.  
\_\_\_\_\_

17. Explain how to remove rust and carbon from irons.  
\_\_\_\_\_

18. Describe why the joint of the irons should be oiled.  
\_\_\_\_\_

19. Explain what happens when irons are overheated.  
\_\_\_\_\_

20. Describe how to hold the irons.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

21. Describe the comb that should be used with thermal irons.  
\_\_\_\_\_  
\_\_\_\_\_

22. Describe how to hold the comb.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

23. Describe the best way to practice using thermal irons.  
\_\_\_\_\_

24. Specify what is used to roll the handles in either direction. \_\_\_\_\_

### THERMAL WAVING WITH CONVENTIONAL THERMAL (MARCEL) IRONS

25. Explain how to determine whether the first wave will be a left-going or a right-going wave.  
\_\_\_\_\_

26. List the eight steps required for a left-going wave.

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_
4. \_\_\_\_\_  
\_\_\_\_\_
5. \_\_\_\_\_  
\_\_\_\_\_
6. \_\_\_\_\_  
\_\_\_\_\_
7. \_\_\_\_\_  
\_\_\_\_\_
8. \_\_\_\_\_  
\_\_\_\_\_

27. Describe how to direct hair for a right-going wave. \_\_\_\_\_

28. Explain why a small section of the waved strand is included when picking up unwaved hair in the comb. \_\_\_\_\_

29. Describe what happens when movements of comb and irons are not the same for waving the second strand as for waving the first. \_\_\_\_\_

**THERMAL CURLING WITH ELECTRIC THERMAL IRONS**

30. Identify what is eliminated when styling hair with thermal irons.  
\_\_\_\_\_

31. List four advantages of thermal waving straight hair.

1. _____	2. _____
3. _____	4. _____

32. Explain the advantage of thermal waving pressed hair.  
\_\_\_\_\_  
\_\_\_\_\_

33. Explain the advantage of thermal waving wigs and hairpieces.  
\_\_\_\_\_

34. List two different ways to open the clamp of the irons.

1. \_\_\_\_\_ 2. \_\_\_\_\_

35. Explain how to develop a smooth rotating movement with the irons.

\_\_\_\_\_

36. Describe how to release the hair from the irons.

\_\_\_\_\_

37. Explain how to ensure that the end of the strand will be in the center of the curl.

\_\_\_\_\_

38. Describe how to remove the curl from the irons.

\_\_\_\_\_

39. Name the implement used to protect the client's scalp from burns. \_\_\_\_\_

### THERMAL IRONS CURLING METHODS

40. List the four steps required to prepare hair for curling with thermal irons.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

41. Describe the size of the base usually required for curling short hair.

\_\_\_\_\_

42. Explain why hair must be combed smooth.

\_\_\_\_\_

43. Name the part of the irons that must be on top. \_\_\_\_\_

44. Specify the distance from the scalp at which to insert irons when curling short hair.

\_\_\_\_\_

45. Explain why irons are held on hair for a few seconds after inserting. \_\_\_\_\_

46. Describe how to hold the ends of the hair strand.

\_\_\_\_\_

47. Describe the amount of tension required to hold the hair ends.

\_\_\_\_\_

48. Explain how to prevent binding of the hair in the irons.

\_\_\_\_\_

49. Specify the distance from the scalp at which to insert irons when curling medium-length hair. \_\_\_\_\_

50. Explain how long to hold irons on the hair to heat it. \_\_\_\_\_
51. Specify the distance at which to slide irons from the scalp. \_\_\_\_\_
52. Name the part of the irons that must be on top. \_\_\_\_\_
53. Explain how to handle the strand after turning irons downward.  
\_\_\_\_\_  
\_\_\_\_\_
54. Describe how to enlarge the curl. \_\_\_\_\_
55. Explain where to insert the ends of the curl.  
\_\_\_\_\_
56. Describe how to move the ends of the strand into the center of the curl.  
\_\_\_\_\_
57. Explain how to even out the distribution of the hair in the curl.  
\_\_\_\_\_
58. Describe how to protect the client's scalp during the curling process.  
\_\_\_\_\_
59. List two reasons for a final revolution of irons inside the curl.  
1. \_\_\_\_\_ 2. \_\_\_\_\_
60. Describe the action of the irons and comb to remove hair from irons.  
\_\_\_\_\_  
\_\_\_\_\_
61. Specify the distance from the scalp at which to insert irons when curling long hair:  
\_\_\_\_\_
62. Specify the direction in which to pull the hair over the rod.  
\_\_\_\_\_
63. Explain how long to hold irons on the hair to heat it. \_\_\_\_\_
64. Identify the amount of tension needed to hold the hair strand.  
\_\_\_\_\_
65. Name the direction in which to roll the irons. \_\_\_\_\_
66. Name the part of the irons toward which to draw the hair strand. \_\_\_\_\_
67. Explain the purpose of pushing the irons forward and pushing the hair with the left hand.  
\_\_\_\_\_  
\_\_\_\_\_

68. List two reasons for rotating irons several times after completing curl.

1. \_\_\_\_\_
2. \_\_\_\_\_

69. Describe spiral curls. \_\_\_\_\_

70. Describe end curls. \_\_\_\_\_

### VOLUME THERMAL IRON CURLS

71. Explain what determines the type of volume curls to use. \_\_\_\_\_

72. Describe the volume-base curl. \_\_\_\_\_

73. Explain how to hold the hair strand to form a volume-base curl. \_\_\_\_\_

74. Describe the full-base curl. \_\_\_\_\_

75. Explain how to hold the hair strand to form a full-base curl. \_\_\_\_\_

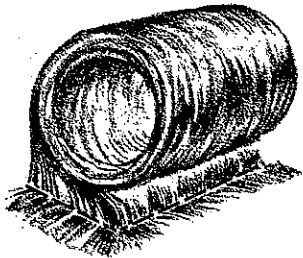
76. Describe the half-base curl. \_\_\_\_\_

77. Explain how to hold the hair strand to form a half-base curl. \_\_\_\_\_

78. Describe the off-base curl. \_\_\_\_\_

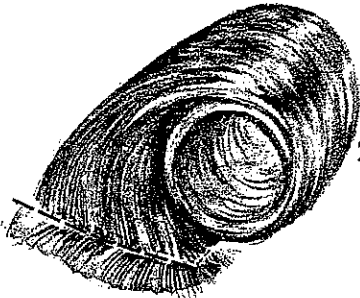
79. Explain how to hold the hair strand to form an off-base curl. \_\_\_\_\_

80. Match each curl base to the correct description.



1.

a. off-base



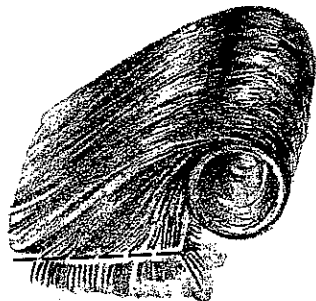
2.

b. full-base

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_



3.

c. half-base

**FINISHED THERMAL CURL SETTINGS**

81. Explain how to obtain best results when thermal setting.
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**STYLING THE HAIR AFTER A THERMAL CURL OR WAVE**

82. Identify whose wishes to follow when styling a client's hair. \_\_\_\_\_
83. Explain how to style a client's hair after thermal waving or curling.
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- 

**SAFETY MEASURES**

84. Explain why irons should not be overheated. \_\_\_\_\_
85. Explain the necessity of testing the temperature of the irons on tissue paper before placing them on the hair. \_\_\_\_\_
86. Explain why the fumes of the irons must not be inhaled.
- 
87. Explain the necessity of not placing irons near the face to test for temperature.
- 
88. Explain why cosmetologists must handle irons carefully.
- 
89. Explain why irons must be placed in a safe place to cool.
- 
90. Explain why handles must not be placed too close to the heater.
- 
91. Explain why irons must be properly balanced in the heater.
- 
92. Explain why celluloid combs must not be used in thermal curling.
- 
93. Explain why metal combs must not be used.
- 
94. Explain why combs with broken teeth must not be used.
- 
95. Explain why a comb is placed between the scalp and thermal irons.
-

96. Explain why the client's hair must be clean for thermal curling.

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97. What must be done to thick or bulky hair before thermal curling.

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98. Explain why hair ends must not protrude over the irons.

99. Explain why vaporizing irons should not be used on pressed hair.

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100. Explain why thermal irons should not be used on chemically straightened hair.

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### BLOW-DRY STYLING

101. Describe blow-dry styling.

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102. List two advantages of blow-dry styling.

1. \_\_\_\_\_

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2. \_\_\_\_\_

103. List two basic techniques used in blow-dry styling.

1. \_\_\_\_\_ 2. \_\_\_\_\_

104. Name the type of hair that must be handled with care when blow-dry styling.

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105. Describe how to handle hair that has loss of elasticity.

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### EQUIPMENT, IMPLEMENTS, AND MATERIALS

106. List the equipment, implements, and materials required for blow-dry styling.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

5. \_\_\_\_\_ 6. \_\_\_\_\_

### THE BLOW-DRYER

107. Describe the blow-dryer (without attachments).

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108. List the five main parts of a blow-dryer.

1. \_\_\_\_\_  
 3. \_\_\_\_\_  
 5. \_\_\_\_\_

2. \_\_\_\_\_  
 4. \_\_\_\_\_

109. Explain what a blow-dryer does when in operation.

\_\_\_\_\_

### COMBS AND BRUSHES

110. Name two types of combs used for blow waving and air waving.

\_\_\_\_\_

111. Explain why metal combs are preferred by some stylists.

\_\_\_\_\_  
 \_\_\_\_\_

112. Describe the type of brush used in blow-dry styling. \_\_\_\_\_

113. Explain the results of using a brush with a smaller diameter.

\_\_\_\_\_

### COSMETICS USED IN BLOW-DRY STYLING

114. Explain the reason for applying styling lotions to hair after shampooing.

\_\_\_\_\_

115. Describe how to apply styling lotions.

\_\_\_\_\_

116. Explain the advantage of the coating substance in styling lotions.

\_\_\_\_\_

117. Explain how often hair conditioners are used as a corrective treatment for dry and brittle hair. \_\_\_\_\_

118. Name the effects of excessive blow-drying.

\_\_\_\_\_

119. Identify the type of conditioner to use for blow-dry styling. \_\_\_\_\_

120. Describe the purpose of hair sprays. \_\_\_\_\_

### BLOW CURLING WITH ROUND BRUSH

121. Describe the type of hair most suitable for blow curling.

\_\_\_\_\_

122. Explain how hair should be shaped prior to blow curling.

\_\_\_\_\_

124. List the eight steps required to blow curl a client's hair.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_

### REMINDERS AND HINTS ON BLOW-DRY STYLING

125. Explain how to achieve the best results from blow-dry styling.

\_\_\_\_\_

126. Explain why partial towel-drying chemically treated hair prior to blow-drying is recommended. \_\_\_\_\_

127. Explain how to spread the styling lotion evenly. \_\_\_\_\_

### BLOW-DRYING THE HAIR

128. Explain for what purpose hot air is directed straight onto the head.

\_\_\_\_\_

129. Explain how to direct the air for blow-dry styling.

\_\_\_\_\_

130. List three reasons for directing the air flow to the top half of the brush in a back-and-forth movement.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_

131. Describe how to direct the blower.

\_\_\_\_\_

132. Explain how to avoid severe scalp burns.

\_\_\_\_\_

133. Describe how to cool the hair before combing it out.

\_\_\_\_\_

134. Explain why the scalp must be thoroughly dry when the hairstyle is completed.

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135. List two benefits of spraying the completed style with hair spray.

1. \_\_\_\_\_ 2. \_\_\_\_\_

### BRUSHES AND COMBS

136. Explain what implement actually does the styling. \_\_\_\_\_

137. Describe the purpose of the blow-dryer. \_\_\_\_\_

138. List two factors that determine the size of the styling brush.

1. \_\_\_\_\_ 2. \_\_\_\_\_

139. Compare the sizes of brushes used to style short, medium, or longer hair.

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140. Explain how to avoid scalp burns. \_\_\_\_\_

### BLOW-DRYER

141. Explain what happens when the blow-dryer is not kept free of dirt or hair.

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142. Explain why the air intake at the back of the dryer must be kept clear at all times.

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### BLOW-DRYING TECHNIQUES

143. Describe how to give the crown hair a slight lift.

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144. Explain how to achieve a pageboy effect. \_\_\_\_\_

145. Describe how to create a smooth top with flip.

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### AIR WAVING

146. Name a technique similar to air waving. \_\_\_\_\_

147. List two implements used to air wave hair.

1. \_\_\_\_\_ 2. \_\_\_\_\_

148. List three services that precede air waving.

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_

149. Explain why hair is combed in the direction of the wave desired.

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150. Explain how long to comb the hair with the air waver.

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151. Explain why hair must be slightly damp.

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### SHAPING HAIR WITH COMB

152. Name the area of the head where air waving is started. \_\_\_\_\_

153. Specify the distance from the part at which the comb is inserted. \_\_\_\_\_

154. Explain how to form the first ridge.

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155. Name the area of the head where the second ridge is started.

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156. Name another implement that can be used in conjunction with the air waver comb.

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### SAFETY PRECAUTIONS

157. List two safety precautions associated with the styling dryer.

1. \_\_\_\_\_

2. \_\_\_\_\_

158. Explain how to avoid scalp burns when working with a metal comb.

---

159. Explain why the scalp must be thoroughly dry when curling or waving is completed.

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### WORD REVIEW

celluloid  
croquignole  
end curls  
fishhooks  
flammable  
loop

lubricant  
marcel  
nonflammable  
rod  
shell  
spiral

temper  
thermal  
vaporizing  
volume

## MATCHING TEST

Place the correct term or phrase in front of each definition.

air waving  
end curl  
inner edge  
shell  
volume-base curl

blow-dry styling  
full-base curl  
off-base curl  
spiral curl

croquignole curl  
half-base curl  
rod  
thermal waving

1. \_\_\_\_\_ a curl providing maximum lift or volume
2. \_\_\_\_\_ a hanging curl suitable for long hairstyles
3. \_\_\_\_\_ a curl providing full volume
4. \_\_\_\_\_ the technique of drying and styling hair in one operation
5. \_\_\_\_\_ the part of the thermal irons that is a perfectly round, solid steel bar
6. \_\_\_\_\_ a curl providing only slight lift or volume
7. \_\_\_\_\_ the art of waving hair using conventional marcel irons
8. \_\_\_\_\_ a curl used to give a finished appearance to hair ends
9. \_\_\_\_\_ a curl providing moderate lift or volume
10. \_\_\_\_\_ the part of the thermal irons that is perfectly round with inside grooved

## RAPID REVIEW TEST

Place the correct word in the space provided in each sentence below.

back-and-forth  
balanced  
broken  
brush  
burns  
celluloid  
clear  
coating  
cooled  
comb  
damaged  
elasticity

ends  
face  
fine  
flexible  
fumes  
growth  
guide  
loosens  
lubricant  
metal  
normal  
oil

opposite  
porous  
rough  
rubber  
safe  
same  
scalp  
smoothes  
temper  
tight  
towel-dried  
wet

1. Thermal curling eliminates styling hair while it is \_\_\_\_\_.
2. A \_\_\_\_\_ is used between the scalp and thermal irons to protect the client.
3. Placing the handles of the irons too close to the heater may result in \_\_\_\_\_ when removing the irons.
4. The hot air of styling dryers must be directed in a \_\_\_\_\_ movement.
5. When picking up unwaved hair in the comb, including a small section of the waved strand serves as a \_\_\_\_\_ to the formation of the new wave.
6. Fine, lightened, or badly damaged hair can withstand less heat than \_\_\_\_\_ hair.

7. \_\_\_\_\_ combs should not be used for thermal curling because they become hot and burn the scalp.
8. The air intake at the back of the dryer must be kept \_\_\_\_\_ at all times.
9. Whether a wave will be right-going or left-going is determined by the hair's natural \_\_\_\_\_.
10. Inhaling \_\_\_\_\_ from the irons is injurious to the lungs.
11. Before blow-drying chemically treated or damaged hair, it must be \_\_\_\_\_.
12. Overheated irons usually lose their \_\_\_\_\_.
13. Styling lotions contain a \_\_\_\_\_ substance that gives hair more body.
14. Combs with \_\_\_\_\_ teeth should not be used for thermal curling because they can break or split the hair or injure the scalp.
15. Blow-dry styling involves directing the air from the scalp area to the hair \_\_\_\_\_.
16. Hot irons should not be placed near the \_\_\_\_\_ to test for temperature.
17. Chemically treated or damaged hair has loss of \_\_\_\_\_.
18. The joint of thermal irons needs \_\_\_\_\_ for greater facility in movement.
19. Hot irons should be placed in a \_\_\_\_\_ place to cool.
20. A final revolution of the thermal irons inside the curl \_\_\_\_\_ the ends and \_\_\_\_\_ the hair away from the irons.
21. In blow-drying, brushes with the smallest diameter produce \_\_\_\_\_ curls.
22. Hair conditioners containing a \_\_\_\_\_ are recommended for hair damaged by excessive blow-drying.
23. Hair should be thoroughly \_\_\_\_\_ before it is combed out.
24. Irons that are improperly \_\_\_\_\_ in the heater may fall and injure someone.
25. Hot air is directed straight onto the head only for \_\_\_\_\_ blow-drying.
26. Usually, coarse and gray hair can tolerate more heat than \_\_\_\_\_ hair.
27. The style and length of hair determine the size of the styling \_\_\_\_\_.
28. \_\_\_\_\_ combs should not be used for thermal curling because they are flammable.
29. In blow-drying, the hot air is directed away from the client's \_\_\_\_\_ to avoid severe burns.
30. A curl is removed from thermal irons by drawing the irons in one direction while drawing the comb in the \_\_\_\_\_ direction.

**MULTIPLE CHOICE TEST**

*Read each statement carefully, then write the letter representing the word or phrase that correctly completes the statement on the blank line to the right.*

1. The rolling movement of the irons is accomplished by using only the:
 

a) thumb	b) fingers	_____
c) wrist	d) arm	
  
2. Thermal curling is not recommended for:
 

a) straight hair	b) pressed hair	_____
c) wigs and hairpieces	d) chemically treated hair	
  
3. The creation of hairstyles without time-consuming setting, drying, and combing out is known as:
 

a) blow-dry styling	b) roller setting	_____
c) wet setting	d) wet hairstyling	
  
4. Combs used with thermal irons should have:
 

a) missing teeth	b) broken teeth	_____
c) fine teeth	d) coarse teeth	
  
5. A hairstyle will not hold if the scalp is:
 

a) dry	b) damp	_____
c) tight	d) flexible	
  
6. Thermal waving and curling is the art of waving and curling hair that is:
 

a) straight or pressed	b) wavy	_____
c) curly	d) overly curly	
  
7. Dirt and grease are removed from thermal irons by washing in a soap solution containing a few drops of:
 

a) detergent	b) disinfectant	_____
c) alcohol	d) ammonia	
  
8. Air waving is a technique similar to:
 

a) finger waving	b) permanent waving	_____
c) thermal waving	d) blow waving	
  
9. The temperature of heated thermal irons is tested on a:
 

a) dark towel	b) damp cloth	_____
c) strand of hair	d) piece of tissue paper	
  
10. Styling lotions are applied to hair after shampooing to make hair more manageable for:
 

a) tinting	b) lightening	_____
c) blow curling or waving	d) chemical relaxing	
  
11. Combs used for thermal curling should be made of:
 

a) hard rubber	b) soft rubber	_____
c) metal	d) plastic	

12. Lukewarm irons should be used on hair that is:
  - a) gray
  - b) resistant
  - c) coarse
  - d) tinted or lightened
13. The technique of curling hair with thermal irons was developed by:
  - a) Charles Nessler
  - b) Marcel Grateau
  - c) Rousseau Sabouraud
  - d) Pierre Marcel
14. Styling hair with an air waver requires that hair be:
  - a) oily
  - b) dry
  - c) slightly damp
  - d) dripping wet
15. The croquignole curl requires the formation of:
  - a) one loop
  - b) two loops
  - c) three loops
  - d) four loops
16. To ensure a good thermal curl or wave, the client's hair must be:
  - a) dirty
  - b) greasy
  - c) clean
  - d) damp
17. To receive a blow-curling service, the hair should be shaped with:
  - a) blunt-cut ends
  - b) tapered ends
  - c) frizzy ends
  - d) fishhook ends
18. Using electric vaporizing thermal irons on pressed hair can cause hair to revert to its natural:
  - a) overly curly state
  - b) elasticity
  - c) color
  - d) porosity
19. Thermal irons are inserted onto hair about:
  - a) 1" from scalp
  - b) 1 1/2" from scalp
  - c) 2" from scalp
  - d) 2 1/2" from scalp
20. Each client's hair should be styled according to the wishes of the:
  - a) cosmetologist
  - b) salon manager
  - c) client
  - d) client's spouse
21. Clamps on thermal irons are opened with the little finger only or little finger and:
  - a) thumb
  - b) index finger
  - c) middle finger
  - d) ring finger
22. Combs used for blow waving and air waving should be made of hard rubber or:
  - a) plastic
  - b) metal
  - c) celluloid
  - d) soft rubber
23. Thermal irons provide an even heat that is completely controlled by the:
  - a) manufacturer
  - b) client
  - c) salon manager
  - d) cosmetologist



24. Using thermal irons on chemically treated hair can cause hair to:

- a) break off
- b) become healthier
- c) darken
- d) lighten

\_\_\_\_\_

25. Before thermal curling thick and bulky hair, it should be:

- a) lightened
- b) darkened
- c) thinned and tapered
- d) permanent waved

\_\_\_\_\_