



Chapter 12: Chemical Texturizing

CHEMICAL RELAXING

pages 461-464

Chemical Relaxing Theory

CHEMICAL PHASE

Application of straightening product

PHYSICAL PHASE

Smoothing the hair, rinsing the product from the hair and applying neutralizer

Types of Relaxers



SODIUM HYDROXIDE

High oil content to keep from irritation; base relaxer; needs protective cream; pH 10.5-14

AMMONIUM THIOLYCOLATE

Also called thio relaxers; hydrogen and disulfide bonds are affected; neutralizer causes split cystine amino acids to rejoin

OTHER RELAXERS

No lye relaxers contain a derivative of sodium hydroxide; contain calcium, potassium, guanidine, lithium sulfate; less resistant hair

Relaxer Strengths

Mild - Used on healthy, color-treated hair, fine-textured or porous hair

Regular - Used on curly to medium textured hair

Super - Used on overly curly, coarse textured or resistant hair



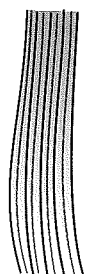
Do not apply hydroxide relaxer to hair that has been colored with permanent hair color or lightened hair; do not apply sodium hydroxide to hair that has been permed with ammonium thioglycolate or is going to be permed with thio

Hair Analysis

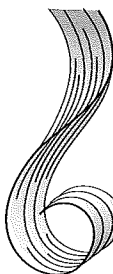
Identifying and Changing Existing Curl Patterns



Round/
straight



Oval/
wavy



Elliptical/
curly



Elliptical/
overly curly



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- 2
- 3
- 4
- 5
- 6
- 7

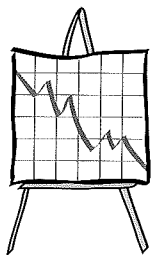


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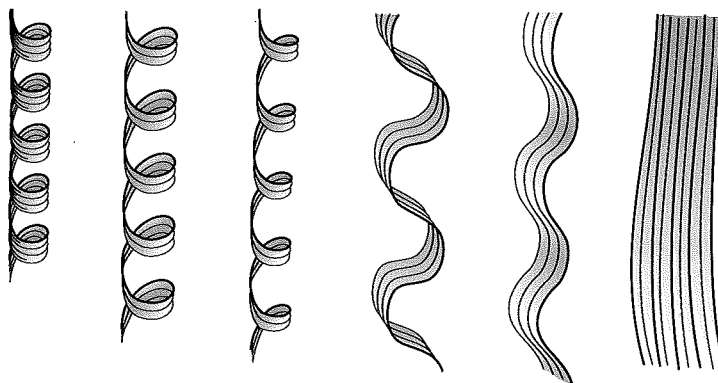
CHEMICAL RELAXING

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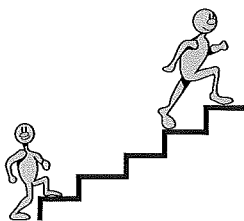
Stages of Reduction



0% 25% 50% 75% 85% 100%



Steps in Determining Curl Pattern



FIRST 1. Determine existing curl pattern

THEN 2. Determine desired curl pattern

NOW 3. Choose the formula

FINALLY 4. Determine processing time and amount of smoothing

Chemical Phase
Physical Phase

Chemical Phase: applying relaxer

Physical Phase: smoothing

APPLYING AND SMOOTHING

Action begins as soon as relaxer is applied; relaxer spread with back of comb or fingers

RELAXATION TEST

Comb test; allows you to determine if additional smoothing is required

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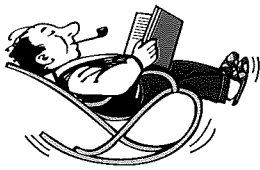


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CHEMICAL RELAXING

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Relaxation Application Methods



| | |
|--|---|
| Virgin Applied to virgin hair; applied to most resistant area and 1/4 inch away from scalp | Retouch Product is applied only to new growth; do not overlap |
| Partial Applied only to selected areas of the head | Curl Diffusion Loosens or relaxes overly curly hair pattern by approximately 50% of its natural shape |

Timing Guide

THIO RELAXERS

| STRENGTH | CONDITION OF HAIR | TIMING |
|-----------|-----------------------|---------------|
| Mild - | Fine texture | up to 15 min. |
| Regular - | Curly - medium | up to 20 min. |
| Super - | Overly curly - coarse | up to 25 min. |

HYDROXIDE RELAXERS

| STRENGTH | CONDITION OF HAIR | TIMING |
|-----------|------------------------|------------------|
| Mild - | Color treated; fine | up to 10-15 min. |
| Regular - | Curly - medium texture | up to 15 min. |
| Super - | Curly - coarse | up to 20 min. |

Product and Application Overview



Never leave a client while the hair is processing

- 1
- 2
- 3
- 4
- 5
- 6
- 7

RUBRIC



This rubric is a self-assessment tool designed to compare your skill to industry standards. Indicate your present level of performance by checking the appropriate box. See overview for instructions.

Virgin Thio Relaxer

Industry Standard – to meet entry level proficiency, Industry Standards require that you:

- Perform hair relaxation and wave formation techniques in accordance with manufacturer's directions.

| | Level 1 | Level 2 | Level 3 | To Improve, I Need To: | Teacher Assessment |
|--|--------------------------|--------------------------|--------------------------|------------------------|--------------------------|
| Preparation | | | | | |
| • Assemble the essential products, implements/supplies and equipment for the procedure; wash/sanitize hands | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| Procedure | | | | | |
| • Section hair for control; apply base (protective cream) around hairline and ears | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Begin at back top section or where hair is most resistant; use 1/4" (.75 cm) horizontal partings | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Apply relaxer 1/4" (.75 cm) to 1/2" (1.25 cm) away from the scalp to both sides of the strand up to porous ends; work from top to bottom of each section; complete back sections | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Move to back of top section; complete top section | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Move to sides and repeat same techniques; complete sides | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Comb, then smooth each section with back of comb using smooth, light, even strokes from scalp to ends; comb and smooth all sections | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Perform comb test; if an indentation occurs, continue smoothing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Follow manufacturer's directions for processing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Once the hair has reached desired degree of relaxation, rinse relaxer from the hair until water runs clear | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Follow manufacturer's directions for neutralizing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| Completion | | | | | |
| • Offer a rebook visit; recommend retail products; discard non-reusable materials, disinfect implements, arrange work station in proper order and wash hands | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |

Total = addition of all Teacher Assessment boxes

Total

36

Percentage = student score / highest possible score Percentage

%

RUBRIC



This rubric is a self-assessment tool designed to compare your skill to industry standards. Indicate your present level of performance by checking the appropriate box. See overview for instructions.

Relaxer Retouch

Industry Standard – to meet entry level proficiency, Industry Standards require that you:

- Perform hair relaxation and wave formation techniques in accordance with manufacturer’s directions.

| | Level 1 | Level 2 | Level 3 | To Improve, I Need To: | Teacher Assessment |
|--|--------------------------|--------------------------|--------------------------|------------------------|--------------------------|
| Preparation | | | | | |
| • Assemble the essential products, implements/supplies and equipment for the procedure; wash/sanitize hands | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| Procedure | | | | | |
| • Section hair for control | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Apply protective cream to previously relaxed hair | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Begin at top back section or most resistant area | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Use 1/4" (.75 cm) horizontal partings | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Apply product slightly away from scalp up to previously relaxed hair to both sides of the parting | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Complete back sections | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Complete remaining sections using the same procedures | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Follow manufacturer’s directions for processing | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Smooth each section with back of comb | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Follow manufacturer’s directions for processing and perform comb test | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Rinse the hair until water runs clear after you have reached the desired degree of relaxation | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| • Shampoo hair with a neutralizing shampoo | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| Completion | | | | | |
| • Offer a rebook visit; recommend retail products; discard non-reusable materials, disinfect implements, arrange work station in proper order and wash hands | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |

| | | | |
|--|-------------------|--|---|
| Total = addition of all Teacher Assessment boxes | Total | <input style="width: 40px; height: 30px; border: 1px solid black;" type="text"/> | |
| | | 42 | |
| Percentage = student score / highest possible score | Percentage | _____ | % |



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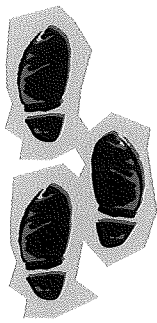
CURL REFORMING

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Curl Reforming

Curl Reforming Theory

Three Steps to Curl Reformation



Chemical service which changes overly curly hair to curly or wavy hair texture

FIRST

1. Reduction - reduces existing curl pattern

THEN

2. Reforming - forms a new curl pattern around tools

NOW

3. Rebonding - bonds (neutralizes) the chemical bonds to create the new curl

Infection Control and Safety

Special Safety Considerations



Wear protective gloves

Examine scalp, if irregularities, do not perform services

Avoid brushing the hair before service

Apply protective base

If chemicals accidentally get on the skin, flush with cool water

ALERT!

Do not perform a curl reformation on hair that has been relaxed with a sodium hydroxide or no lye relaxer

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