

### Spring 1 end point knowledge questions:

#### Acids and Alkalis

1. State the pH of **acid**.
2. State the pH of **alkali**.
3. State the pH of **hair and skin**.
4. State the pH of **neutral**.
5. Discuss how to use **litmus paper** to measure pH values.
6. Discuss how to use **universal indicator** to measure pH values.
7. The typical pH value of **soap**.
8. The typical pH value of **shower gel**.
9. The typical pH value of **sun protection cream**.
10. The typical pH value of **skin cleansers**.
11. The typical pH value of **astringents**.
12. The typical pH value of **toners**.
13. The typical pH value of **moisturisers**.
14. The typical pH value of **shaving products**.
15. The typical pH value of **depilatory products**.
16. The typical pH value of **exfoliants**.
17. The typical pH value of **cuticle remover**.
18. The typical pH value of **nail polish remover**.
19. The typical pH value of **cuticle creams**.
20. The typical pH value of **shampoos**.
21. The typical pH value of **lightening products**.
22. The typical pH value of **hydrogen peroxide**.
23. The typical pH value of **perm lotion**.
24. The typical pH value of **hair relaxing agents**.
25. The typical pH value of **surface conditioner**.
26. The typical pH value of **treatment conditioner**.
27. Effects of **acid** on the **hair**.
28. Effects of **acid** on the **skin**.
29. Effects of **alkalis** on the **hair**.
30. Effects of **alkalis** on the **skin**.

#### Scientific principles of products

1. Discuss how **shampoo** works to **cleanse** the hair.
2. Explain the term **immiscible**.
3. Explain the term **emulsifying**.
4. Discuss how the **hydrophilic head** works when shampooing.
5. Discuss how the **hydrophobic tail** works when shampooing.
6. Discuss how **conditioner** impacts the **cuticle**.
7. Explain the impact of **conditioner** on the **cortex**.
8. Discuss how **skin sun protection cream** works against **UV rays**.
9. Explain how **skin cleansers** work to remove **sebum and dirt** from the skin.
10. Discuss the impact that **exfoliators** have on the **skin**.
11. Explain how **nail cuticle remover** works on the nail bed.

## Ingredients

1. State the function of a **paraben** in a product.
2. State the function of **mineral oils** in a product.
3. State the function of an **emollient** in a product.
4. State the function of an **oxidising agent** in a product.
5. State the function of a **stabiliser** in a product.
6. State the function of an **antiseptic** in a product.
7. State the function of a **humectant** in a product.
8. State the function of **UV filters** in a product.
9. State the function of **pigments** in a product.
10. State the function of **emulsifiers** in a product.
11. State the function of an **exfoliator** in a product.
12. State the function of an **astringent** in a product.
13. State the purpose of a **hydrating** product.
14. State the purpose of a **hypoallergenic** product.
15. State the purpose of a **non-comedogenic** product.
16. State the purpose of a **soothing** product.
17. State the purpose of a **regenerating** product.
18. State the function of an **anti-oxidant** in a product.
19. State the function of a **stimulant** in a product.
20. State the function of **dihydroxyacetone** in a product.
21. State the purpose of a **depilatory** product.
22. State the function of **paraphenylenediamine** in a product.
23. Explain what an **allergic reaction** is.
24. Name **4 ingredients** known to cause **allergic reactions** in hair and beauty products.
25. State the **common signs** of an **allergic reaction**.

## Ethical testing of cosmetics

1. State the **month** and **year** that **selling cosmetics tested on animals** in the EU became banned.
2. Identify the **countries** that still **test cosmetics** on **animals**.
3. Explain the purpose of the **Cosmetics Products (Safety) Regulations**.
4. Explain the purpose of the **Trades Descriptions Act**.
5. Explain the purpose of the **Sales of Goods Act**.
6. Discuss the role that **PETA (People for the Ethical Treatment of Animals)** has in protecting against animal testing.
7. Discuss the role that the **RSPCA (Royal Society for the Prevention of Cruelty to Animals)** has in protecting against animal testing.
8. Explain how **alternative cosmetic testing** is carried out.