

SUBJECT

: ENGLISH

TEACHER

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GRADE

:

DATE:**1. REACTIONS WITH OXYGEN**

A → 2 (aluminium + oxygen → aluminium oxide)
B → 1 (copper + oxygen → copper oxide)
C → 4 (lithium + oxygen → lithium oxide)
D → 3 (iron + oxygen (in presence of water) → iron oxide)

2. REACTIONS BETWEEN METALS AND WATER (EXERCISE 10.3)

1. Write Yes or No

- a. No
- b. Yes
- c. Yes
- d. No
- e. Yes
- f. Yes
- g. Yes

2. Write if the metal reacts or does not react with water

- a. copper → does not react
- b. potassium → reacts
- c. zinc → does not react (only with steam)
- d. lithium → reacts
- e. magnesium → does not react (slowly with hot water)
- f. gold → does not react
- g. calcium → reacts

3. ENDOOTHERMIC REACTIONS AND PROCESSES (EXERCISE 10.4)

- a. endothermic
- b. process
- c. thermal
- d. process
- e. endothermic reaction, lowers
- f. light

4. ALVARO AND MEHDI INVESTIGATION

- a. The temperature decreased after mixing, indicating an endothermic reaction that absorbed heat.
- b. They should have worn safety goggles, gloves, and lab coats, tied back long hair, and handled chemicals carefully.

5. EXOTHERMIC REACTIONS AND PROCESSES (EXERCISE 10.5)

- a. process
- b. reaction
- c. temperature
- d. fuel
- e. respiration