

# EXAM UNIT 4: MATTER

## 1. Write P for physical changes and C for chemical changes:

- Wood burning in a fire.
- Ice cubes melting in a drink.
- Biscuits cooking in an oven.
- Fireworks exploding.

## 2. Match:

- |                                  |                                  |
|----------------------------------|----------------------------------|
| a. When iron rust, it becomes... | 1. turns brown and goes soft.    |
| b. Fruit that has oxidised...    | 2. bacteria to milk.             |
| c. Yoghurt is made by adding...  | 3. chemical change.              |
| d. Combustion is a...            | 4. brittle and is easily broken. |

## 3. Match:

- |                              |   |
|------------------------------|---|
| a. A mixture is...           | 1. have varied colours or textures.         |
| b. Homogeneous mixtures...   | 2. a substance with two or more components. |
| c. Heterogeneous mixtures... | 3. a mixture with a solvent and a solute.   |
| d. A solution is...          | 4. have a consistent color or texture.      |

## 4. Match each mixture to the best method of separation.

- |                     |                  |
|---------------------|------------------|
| a. Sand and sugar   | 1. Filtration.   |
| b. Petrol and water | 2. Evaporation.  |
| c. Cocoa and milk   | 3. Distillation. |
| d. Sand and water   | 4. Dissolution.  |