

Physical change

STUDENT BOOK pp. 21, 43

1. Which phrase does **not** describe a physical change?

- a) Transformation that never changes the state (phase) of matter. ☐
- b) Transformation that does not change the nature of matter. ☐
- c) Transformation that does not change the characteristic properties of matter. ☐
- d) Transformation that does not produce new substances. ☐

2. Match each example of physical change with its description.

Example	Description
a) Change of state	1. Transformation that occurs when two or more substances are put together.
b) Change of form	2. Transformation of a sample of matter when it passes from one state (solid, liquid or gaseous) to another.
c) Mixture	3. Transformation produced by, for example, folding, cutting, shredding, laminating or moulding a material.

3. Which statements involve a physical change?

- a) Chopping vegetables to make a soup. ☐
- b) Baking a cake. ☐
- c) Beating egg whites with sugar to make meringue. ☐
- d) Freezing meat. ☐
- e) Burning wood in a fireplace. ☐
- f) Making ice tea from a powdered mix. ☐
- g) A complex sugar changing into simple sugars in the stomach. ☐
- h) Dissolving sugar in water. ☐
- i) Melting ice cream in a bowl. ☐
- j) A utensil rusting. ☐

4. Which examples in question 3 involve a change of state?
