

1 Tick (✓) the correct answer.

a) Which of the following materials can dissolve in water?

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|--|-------------------------------------|
| ☐ a) Corn kernels | ☐ b) Sugar |
| ☐ c) Pebbles | ☐ d) Peanuts |

b) Which of the following materials **cannot** dissolve in water?

- ☐ a) Food colouring powder
☐ b) Sugar
☐ c) Pebbles
☐ d) Corn kernels

2 Match the materials with what happens when they are added into water.

1. Food colouring powder

A. Remain at the bottom.

2. Pebbles

B. Dissolves and colours the water.

3. Sugar

C. Dissolves (cannot be seen after stirring).

4. Peanuts

D. Float or remain in the water.

3 Which material do you think will dissolve more quickly in water? Tick (✓) one.

- | | |
|--|-------------------------------------|
| ☐ a) Sugar | ☐ b) Pebbles |
| ☐ c) Corn kernels | ☐ d) Peanuts |

4 Look at the pictures. Write **soluble** or **insoluble** for each material.



sugar



food colouring powder



pebble



peanut



corn kernels



water

5 Why do you think sugar dissolves faster in hot water?

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