

1. A sample of matter has mass and takes up space. The reason for this is because:

- a) All matter is heavy
- b) Matter can be a gas
- c) Matter is made up of tiny particles that have mass and take up space
- d) The Earth is made of matter

Answer:

2. Water drops stay together on wax paper mainly because:

- a) Water molecules are small
- b) Water molecules are in motion
- c) Water molecules are attracted to each other
- d) Water molecules are wet

Answer:

3. When you bring two drops of water near each other, they combine immediately, mainly because:

- a) Water molecules are made of atoms
- b) Water molecules are attracted to each other
- c) Water molecules are magnetic
- d) Water is a liquid

Answer:

4. If you put food coloring in room temperature water, the coloring spreads because:

- a) Water molecules are warm
- b) Water molecules are in motion
- c) Water is more dense than food coloring
- d) Food coloring molecules are small

Answer:

5. Food coloring spreads out faster in hot water because:

- a) The water molecules in hot water move more quickly
- b) The molecules in hot water are larger
- c) The food coloring molecules are small
- d) Hot water is less dense

Answer:

6. When a thermometer is heated, the red liquid inside the thermometer moves up because:

- a) The red liquid is thin
- b) The molecules of the liquid move faster and get a little further apart
- c) Hot liquid is lighter
- d) The glass of the thermometer gets hot

Answer:

7. When a thermometer is cooled, the red liquid inside the thermometer moves down because:

- a) Cold liquids sink
- b) The glass of the thermometer gets cold
- c) The molecules of the liquid move slower and get a little closer together
- d) The red liquid is thick

Answer: