

Worksheet 2 answers

Q1: a. zero degrees

b. melting point

Q2: Metals (Iron, Copper, Aluminium.....)

Q3: Melting, Evaporation, Dissolving

Q4: Boiling

Q5: Solute

Q6: Solvent

Q7: Chemical reaction / Example: vinegar and bicarbonate of soda or any example of a chemical reaction

Q8: - control variable

- Independent variable
- Dependent variable

Q9: Observe over time

Q10a: Iron, Oxygen, water

b. Iron Oxide/rust

c. change of colour

Q11a: A chemical reaction happens and a gas is formed as an evidence of the reaction

Q11b: Heating adds energy to the particles of the solute making them move faster and spread out into the spaces between the solvent particles

Part 2 (fair test)

Q1.a

- 1- thermometer
- 2- Method used to test each substance

b. Substance tested

Q2- The temperature at which the substance changes from solid to liquid (melting point)

Q3- 1- A variety of solids (Iron, Aluminum, Gold)

- 2- A gas burner
- 3- A thermometer
- 4- Beaker

Q4- 1- Heat each solid in a beaker until it melts

- 2- Measure and record the temperature of melting point in each beaker

Q5- 1- Getting burned is a risk

- 2- Wear protective gloves and goggles