

YEAR 11 CHEMISTRY

QUIZ

1. Water molecule is triatomic. What does this mean?
2. What type of bond holds the atoms in a water molecule together?
3. Water molecules are polar. What does this mean and what causes the polarity?
4. Name the type of intermolecular forces found in water? Which type is the strongest ?
5. What products are produced as a result of the electrolysis of water?
6. The inward pull that tends to minimise the surface area of water is called _____?
7. What is the main reason for water having a low vapour pressure and relatively high boiling point?
8. Calculate the amount of heat required to raise the temperature of 4g of water from 24°C to 31°C.
9. Calculate the heat required to change 14g of ice into water at 15°C?
(Molar heat of fusion = 6.01 kJ/mol)
(Specific heat of water = 4.18J)
10. Using examples-explain the difference between a homogenous and a heterogenous mixture.