

NO FUSS SCIENCE SAMPLE

QUESTIONS & ANSWERS

Biology Sample Questions

Q: What type of cells are eukaryotic cells?

A: Animal and plant cells

Q: How many chambers of the heart are there?

A: There are 4 chambers of the heart

Q: Where in the human body is bile stored?

A: In the gallbladder

Q: What are the symptoms of salmonella?

A: Vomiting, abdominal cramps, fever, diarrhoea

Q: What is the word equation for anaerobic respiration in plants and yeast?

A: Glucose > ethanol + carbon dioxide

Sample Questions & Answers

Chemistry Sample Questions

Q: What did James Chadwick prove the existence of?

A: James Chadwick proved the existence of the neutron

Q: How are covalent bonds formed?

A: When atoms share pairs of electrons

Q: What is the equation linking moles, relative formula mass and mass?

A: Moles = mass / relative formula mass

Q: What is produced when acids react with metals?

A: A salt and hydrogen

Q: What is used to test for alkanes and alkenes?

A: Bromine water

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Physics Sample Questions

Q: What is a system?

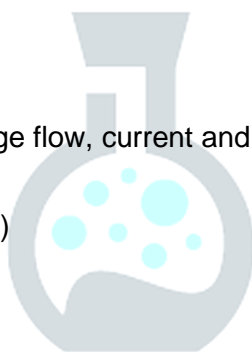
A: An object or a group of objects

Q: How can you calculate the density of an object?

A: Density can be calculated by dividing the mass by the volume

Q: What is the equation linking charge flow, current and time?

A: $Q=It$ (charge flow = current x time)



Q: What is a vector quantity?

A: A quantity that has both magnitude and direction

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Q: What is the equation to work out either the voltage or the number of turns in a primary or secondary coil?

A: $V_p/V_s = N_p/N_s$ (voltage in primary coil / voltage in secondary coil = number of turns in primary coil / number of turns in secondary coil)