

Chemistry

What are the three states of matter?

In which state do particles move most?

What name is given to the process when a solid changes into a liquid?

Can you put the states of matter in order of increasing energy?

Can you explain diffusion to me?

What happens when a substance is heated and cooled?

Why are chemical symbols used?

Can you tell me some of the things elements are named after?

Where do you find metals in the periodic table?

What is a compound?

What are the signs of a chemical reaction?

Biology

Why do we use microscopes and what is the purpose of using stains such as iodine?

Can you name three things that all cells have?

What are the component parts of the circulatory system?

Why is the cardiac muscle thicker on the left than the right side?

What are the tiny air pockets where gas exchange occurs called?

What is the name for the male and female gametes?

What process occurs after fertilisation in human reproduction?
And where does this take place?

What are the three components of the health triangle?

What effect does exercise have on your heart rate?

Name an instrument that can be used to measure the health of your lungs.

Physics
What are the eight forms of energy?
What are the three methods of heat transfer?
What kind of materials make good conductors?
What are some of the ways to reduce heat loss in the home?
What can forces do to an object?
What is the unit of measuring force?
What is the difference between weight and mass?
What would happen to your weight if you went to the moon?
What would happen to your mass?
What is friction and where is it useful?
How can you reduce friction?