

By weight, what percent of average or normal seawater is salt?

What are the most abundant gases in our atmosphere, in order from greatest to least?

Earth has much more oxygen and nitrogen in the atmosphere than other planets. What has created this condition?

The atoms of salt, NaCl, are held together by an attraction of opposite charges. This type of bond is given what name?

Which diagram below shows the shape of a water molecule?



What are the 3 states of matter typical of all pure substances?

The 6 sided structure of a single ice crystal is made of how many water molecules?

What type of bonds hold water molecules together in an ice crystal? (more than one answer)

Compared to other substances, does water have a high, low or medium heat capacity?

The range of temperature on the moon, from day to night, are much greater than on earth. Why?

What amount of energy can raise the temperature of 1 gram of water by 1 degree celsius?

When ice is melting, the added energy is being used to break what type of bonds?

How many calories are needed to melt one gram of ice?

How many calories are needed to boil (change from liquid to gas) away 1 gram of water?

What word describes the heat energy that causes a change of phase?

What word describes the heat energy that causes a change of temperature in a substance?

"Internal friction or resistance to flow" is a definition for what word?

Where is the viscosity of seawater the greatest? (give both the location and the time of the year)

Besides pressure, what other factors (2 of them) have a large affect on viscosity?

Salinity is commonly expressed in what two units? (give symbols)

In seawater, salts are dissolved, and each atom of a salt has a charge. What term describes these charged atoms?

In order, what are the most abundant elements that make up sea salt? (the first 6)

Besides using a hydrometer, how else can salinity be determined?

What determines whether a substance sinks or floats in a liquid, such as water?