The conversion of a substance from one physical form to another is called ___________________.

Why is change of state a physical change and not a chemical change? It would seem that if you change liquid water into water vapor (a liquid into a gas) you were changing its identity. Why is this not true?

The 5 common changes of state are
1)  
2)  
3)  
4)  
5)  

The energy of a substance is related to what?

The molecules in liquid water move _______________ than the molecules in ice. Therefore the liquid water has ______________ energy than the ice.

If energy is added to a substance its particles will move _______________. This means its temperature will _______________.

If energy is taken away from a substance its particle will move _______________. This means its temperature will _______________.

What is temperature actually a measure of?

______________ is the change of state from a solid to a liquid.

What is unusual about the metal gallium?
The _________________ of a substance is the temperature at which it changes from a solid to a liquid.

The melting point of table salt is _____________.

True or False 300g of table salt melts at a higher temperature than 30g of table salt.

Melting is an _________________ reaction.

When energy is absorbed by a substance as it changes state this is said to be a _________________ reaction.

_______________ is the change of state from a liquid to a solid.

The temperature at which a liquid changes to a solid is called its _________________.

For a liquid to freeze its molecules must slow to what point?

Freezing is an example of an _________________ reaction.

What is an exothermic reaction?

_______________ is the change of state from a liquid to a gas.

2 types of vaporization
1)
2)

What is the difference between evaporation and boiling? Use Figure 16 to help explain.