

Answer on Question #46417 - Chemistry - Inorganic Chemistry

Question

how does the temperature effect surface tension and viscosity.

Answer:

As the temperature increases the molecular interaction between the liquids molecules are weaker, so it can be break easily by gaining energy from the heat source leading to decrease in surface tension. So, surface tension increases with decreasing temperature and decreases with increasing temperature.

When temperature increases (i.e. liquid is heated) molecules move faster, as they gain energy from the heat source. If the particles are moving faster, the liquid is moving faster. So, when temperature is increasing, viscosity is decreasing.