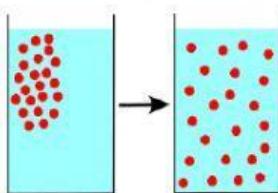


Name: \_\_\_\_\_

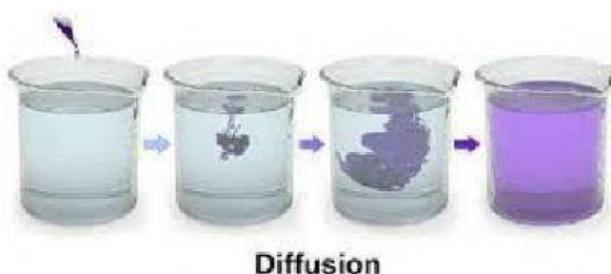
Date: \_\_\_\_\_

## Diffusion

Fill in the blanks with an appropriate word or phrase to make the sentences accurate. Ensure the words you insert are correctly spelt.



Diffusion is the process by which \_\_\_\_\_ move from an area of \_\_\_\_\_ concentration, to an area of \_\_\_\_\_ concentration, until the particles are \_\_\_\_\_ distributed.



The area in the beaker where the potassium permanganate crystals were placed, had a \_\_\_\_\_ concentration of the potassium permanganate particles than the other \_\_\_\_\_ of the water in the beaker. Diffusion occurred when the particles \_\_\_\_\_

to those other areas that had a \_\_\_\_\_ concentration of potassium permanganate particles.

\_\_\_\_\_ affects the rate of diffusion. In both beakers of hot and cold water, the process of \_\_\_\_\_ was able to take place. However, in the beaker with the \_\_\_\_\_ water, the process occurred much faster because the potassium permanganate particles gained \_\_\_\_\_ energy and were able to move and spread \_\_\_\_\_ than in the beaker with \_\_\_\_\_ water.