

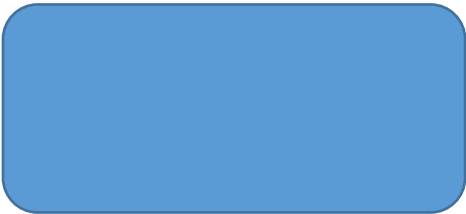


Activate 1.
1.6 Diffusion
Page 70 - 71


Diffusion

1. The random 
and  of particles
is called Diffusion.




2. What factors affect Diffusion?

- 
- Particle 
- The  of the diffusing substance.


Temperature

3. At 
temperatures, particles
are move more 



Particle Size

4. Big,  particles
diffuse more 
than small, 
particles.



State

5. Diffusion happens
 in gases
because the particles
are far apart.

State

6. Diffusion is  in liquids because the particles are 

State

7. Diffusion does not
happen in 
because the particles
cannot 

Speed of Diffusion in different states.

~~DOES NOT
HAPPEN~~

Metal



Liquid



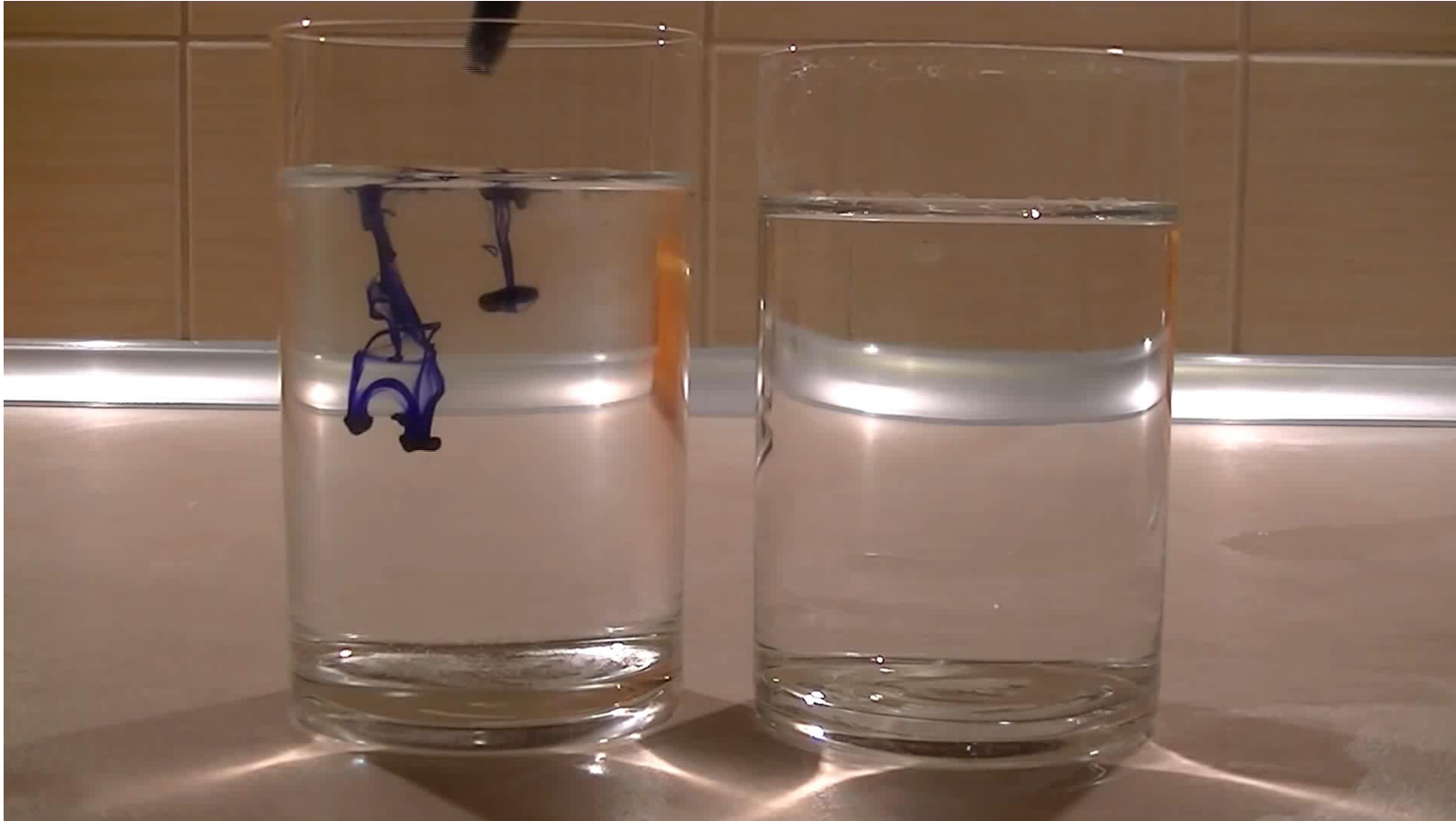
Gas

Step 2

1. Watch the video.
2. Tell your partner what you just watched using the new vocabulary you have just learned.



Video

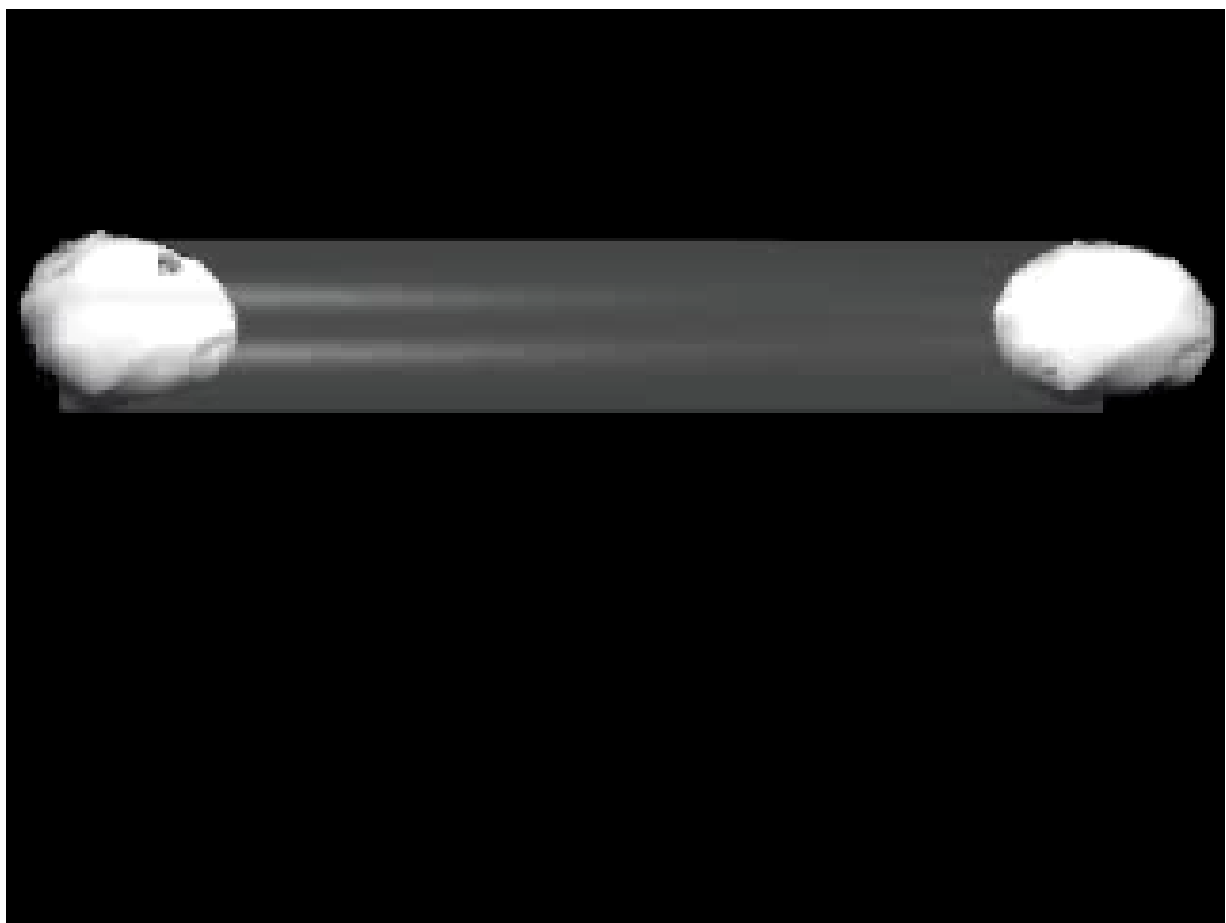


Step 2 – Switch the roles.

1. Watch the video.

2. Tell your partner what you just watched using the new vocabulary you have just learned.





8. Why does the ink diffuse slowly in cold water?

Ink diffuses slowly in cold water because...

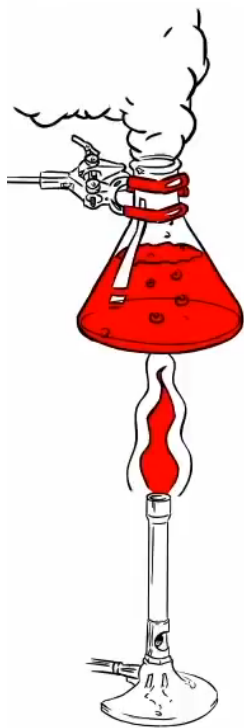
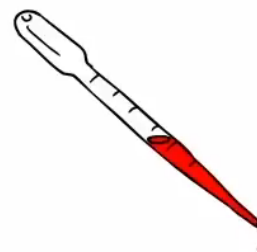
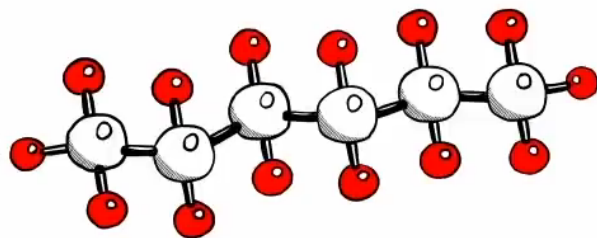
9. Why does the ink diffuse quickly in hot water?

- Ink diffuses quickly in hot water because...

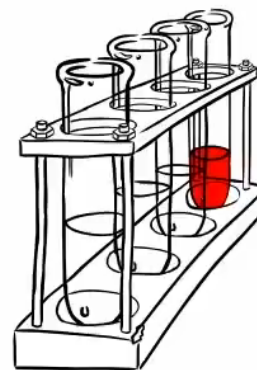
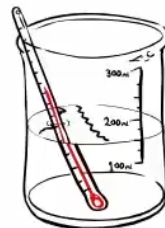
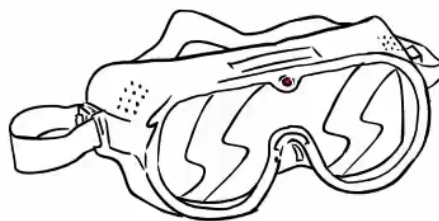
Diffusion



the
virtual school
initiative



Diffusion of Gases



Diffusion takes time to spread out.

- Let me explain about the diffusion of rose smell particles.
- It takes a long time for the rose smell particles to spread out in a room because the rose smell particles hit other gas particles in the air.
- Therefore you might not smell roses in a room for some time.