

Name: _____

Date: _____

Properties of Matter Student Pre- or Posttest

1. Look at each picture. Circle any pictures of things that are examples of matter.



Rock



Ice



Idea



Light



Water



Ant



Sponge



Happiness



Dust

Photo credits: Rock, Robert M. Lavinsky; Ice, BSCS; Idea, Clipartuse.com; Light, Pixnio.com; Water, BSCS; Ant, Pngimg.com; Sponge, Netclipart.com; Happiness, Pexels.com; Dust, Pexels.com

Why did you circle the pictures you did? Write about what you were thinking.

2. What do you think will happen when the liquid water freezes?



Photo courtesy of Derek Jensen



Photo courtesy of BSCS

It will weigh **more**.

It will weigh **less**.

It will weigh **the same**.

What are you thinking?

3. Which changes are reversible and can go back and forth?

Stick of butter to melted butter

Melted butter to solid butter



Raw egg to hard-boiled egg

Hard-boiled egg to raw egg



Shiny nail to rusty nail

Rusty nail to shiny nail



Crayons to melted crayons

Melted crayons to crayons



Photo credits: Butter, BSCS; Melted Butter, BSCS; Egg, Maxpixel.com; Boiled Eggs, Pixabay.com; Nails, Pixabay.com; Rusted Nails, Weclipart.com; Crayon, BSCS; Melted Crayon, BSCS

What are you thinking?

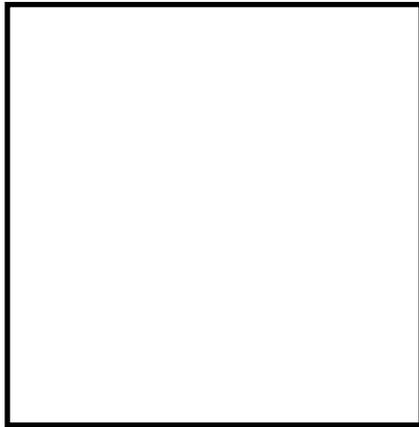
4. Use words and pictures to show what happens to the molecules that make up ice and liquid water when an ice cube melts. What changes take place?



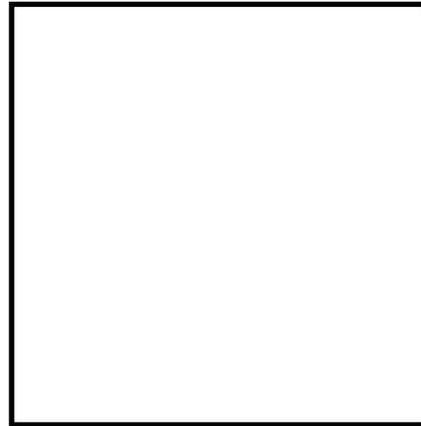
Photos courtesy of BSCS



Photo courtesy of BSCS



Molecules in Frozen Water



Molecules in Liquid Water

5. Use words and pictures to show what happens to the molecules that make up paper before and after it burns. What changes take place?

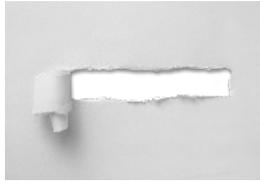
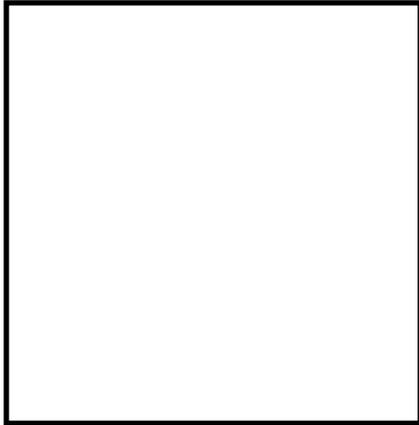


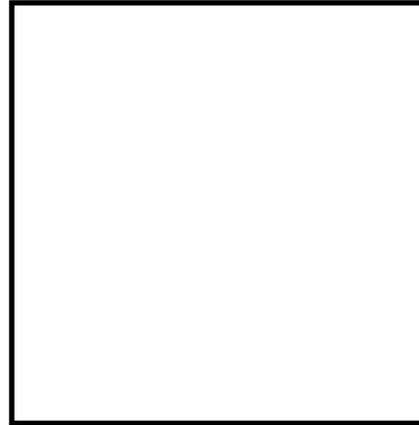
Photo courtesy of Pixabay.com



Photo courtesy of Deviantart.com



Molecules in Paper



Molecules in Burned Paper
