

Root Beer Floats



A fun experiment to make for the entire family, as you watch what happens when you mix a solid and a liquid together to form a gas.

Materials Needed

- Root beer
- Vanilla Ice Cream (or ice cream of your choice)
- Plastic Cup (Clear would be better to see the reaction between the states of matter)

Steps

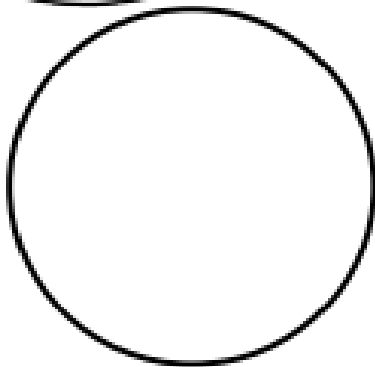
- Fill half the cup with root beer (liquid)
- Take a scoop of vanilla ice cream (or the ice cream of your choice - solid) and scoop it on top of the root beer.
- Watch the root beer and the ice cream react together to form a gas. What is happening?
- Complete the fill-in-the-blank page and write a paragraph about the reaction that took place as soon as you mixed the liquid and solid together in the cup.
- As a treat, enjoy your root beer float after your experiment is done.

Name _____

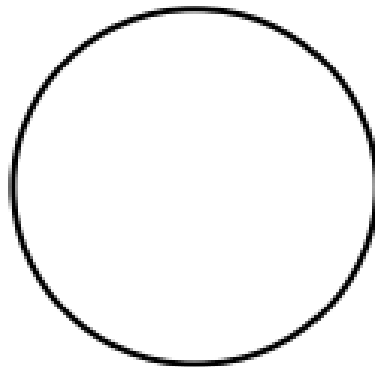


What's the Matter in Root Beer Floats?

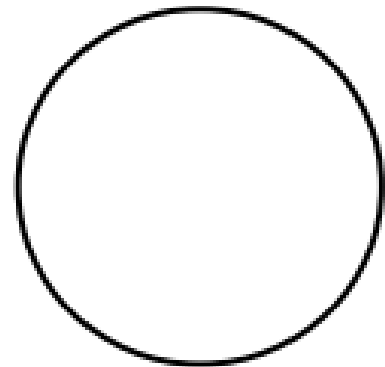
Draw what the molecules are doing in each state of matter.



solid



liquid



gas

Which state of matter is each part of a root beer float?

Cup? _____

Root Beer? _____

Ice Cream? _____

Foam? _____

When we put the ice cream in root beer, it melts. When something melts, it changes states of matter from a _____ to a _____.

If we put our leftovers in the freezer, it will freeze. When something freezes, it changes states of matter from a _____ to a _____.