

JR-SCIENTISTS

SOLID LIQUID GAS

Can you believe this is a very simple water science experiment you can do in little time if necessary!

INSTRUCTIONS:

STEP 1: Fill a bowl full of ice! Here's the solid – frozen water.

STEP 2: Let the ice melt! Here's the liquid – water.

STEP 3: With adult help, carefully boil the water. The steam is the gas!

SUPPLIES

Water
Ice cubes
Large bowl
Tongs (optional)

THE SCIENCE

LIQUIDS:

Liquids have the capability to take the shape of any container that they are in. Liquids are made of particles of matter that are held together by bonded molecules. The most common liquid you'll find is water.

GASES:

Gas is matter in a state in which it can expand freely to fill the whole container, and it has no fixed shape.

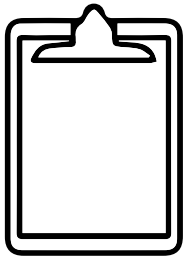
SOLIDS:

Solids have compressed molecules so they are much more tightly packed, and therefore more dense than liquids or gases.



Solid, Liquid, Gas Observations

Use this worksheet to process and evaluate your work.



RECORD

What did you observe?

What happened to the ice over time? Why?

What is steam made of? What is ice made of?

What did you learn?
