

Physical State Diagram

Summary

Students will draw and describe what each of the physical states of matter is like.

Main Core Tie

SEEd - Grade 6

[Strand 6.2: ENERGY AFFECTS MATTER Standard 6.2.2](#)

Time Frame

1 class periods of 60 minutes each

Group Size

Individual

Materials

Hook activity

2 different sized/shaped beakers, cups, or flasks

different shaped balloons

some liquid (pop, juice, water)

Solids (cube, crayon, etc.) rectangular objects work best for seeing volume

- [Student Sheet](#)

Physical State Notes Power Point

Instructional Procedures

Hook activity:

Liquid: Pour your liquid into a beaker

Ask: Will the volume (space it takes up) change if I pour into a different beaker?

Ask: Will the shape of the liquid change if I pour it into a different beaker?

Have a student read the volume, then pour it into a different beaker and have the student find the volume again.

Solid (repeat what you did with liquids)

Gas

Use the balloons & ask the same questions and demonstrate how the shape will change depending on the container

Ask: What would happen to the volume of the gas if the balloon is popped?

Handout the student sheet & use the PowerPoint to provide information. Ask student volunteers to draw the diagrams of the relative states on the board.

Assessment Plan

Notes completed, neat & organized.....4

Student correctly lists and draws the characteristics of the states.....4

Bibliography

Lesson Design by Jordan School District Teachers and Staff.

Authors

