

Name: _____ Section: _____

States/Phases of Matter - Analogies

Directions - As you have been exploring the phenomenon of this lesson, you have gotten some exposure to the solid, liquid, and gas states/phases of matter. Complete the table below by first drawing how the particles are arranged in each state/phase of matter. You should then come up with an analogy to help you remember the arrangement and behavior of the particles.

analogy - a comparison between two things, typically for the purpose of explanation or clarification

State of Matter	Drawing	<u>My</u> Analogy	<u>Your</u> Analogy
Solid <ul style="list-style-type: none">• Particles are tightly compact• Particles vibrate without the ability to move freely		Students not allowed to leave their desks - fairly close to each other; cannot move freely, but can still move in their seats	

<p>Liquid</p> <ul style="list-style-type: none">• Particles are tightly compact• Particles are able to move around close to each other		<p>Students in a typical classroom - fairly close to each other; can move around the classroom if necessary (throwing something in the trash, walking to the teacher's desk, walking to the pencil sharpener, etc.)</p>	
<p>Gas</p> <ul style="list-style-type: none">• Particles can easily spread out or move close together• Particles move freely and with a lot of energy		<p>Students playing "tag" during gym - spread out and occasionally close to each other; moving freely and fast</p>	