

States of Matter Brochure

Purpose: Create a themed travel brochure that tempts people to go to the various states of matter: solid, liquid, gas and plasma.

Materials: Graphic organizer, construction paper or regular sized white paper tri-folded and colored pencils/markers/crayons (or computer software to create tri-fold brochure)

Requirements: Use class notes to complete states of matter graphic organizer. Then create a themed travel brochure that uses all four states of matter. Include a title/cover page, solid page, liquid page, gas page, plasma page and a “free” page that will include your heading and any additional creative information you would like to include.

You will need to creatively include:

- 1) An attractive cover with interesting slogan
- 2) An illustration on each page
- 3) A consistent theme throughout the brochure
- 4) Include all the information from the graphic organizer
 - definition of each form of matter
 - how particles are arranged, how they move
 - changes of state

Grading:

Creativity – 10 points

Theme – 10 points

Neatness – 10 points

Grammar, Spelling – 10 points

Illustrations – 10 points

Accuracy of facts – 30 points

Includes all Components – 10 points

Graphic Organizer- 10 points

TOTAL – 100 Points

Name _____ Date _____ Period _____

STATES OF MATTER BROCHURE
GRAPHIC ORGANIZER

States of Matter	Definition	How particles are arranged/density	Kinetic Energy	Examples
Solid				
Liquid				
Gas				
Plasma				

STATES OF MATTER BROCHURE

EXAMPLE

Cover Page:

Spend your holiday at Matter Island!

Solid Page:

You'll enjoy sailing around Matter Island on our solid sailboats! Each boat is guaranteed to maintain its definite shape and volume. It won't change into a liquid unless it's melted by the sun rays or turn into a gas unless exposed to extreme heat through sublimation. If the particles begin to move from their rigid formation, we'll provide you with free scuba lessons!

Liquid Page:

Take a dive into our crystal clear ocean! It won't change to a solid unless a freezing storm comes through. The ocean only evaporated once into a gas during an extreme heat wave. But, that won't happen again! You'll enjoy swimming or scuba lessons in the ocean due to its definite volume and ability to take the shape of its container. The constant movement of its particles allows you to spend hours in its particles!

Gas Page:

You'll enjoy all the clean oxygen on Matter Island! The particles are full of kinetic energy and are always in constant motion to fill your lungs. Early morning walks are the best time to enjoy the condensation that is created when the oxygen cools into a liquid. The matter will change its shape and volume as you walk through the early morning fog.

Plasma Page:

No plasma issues here! Rarely do we have problems with objects that have no definite shape or volume. Only on rare occasions do the particles move around so much to cause a lightning storm. The weather is always clean and clear!

"Free" Page:

Matter Island. It's the best vacation you'll ever have! It's a matter of fact! Created by:
A. Johnson Publications