

STATES OF MATTER COMIC

ASSIGNMENT: Create a comic strip story that compares and contrasts the three different states of matter.

SOLIDS, LIQUIDS, AND GASES

PROPERTIES	SOLID	LIQUID	GAS
DEFINITION	Definite shape and volume	Indefinite shape and definite volume	Indefinite shape and indefinite volume
COMPRESSIBILITY	Not compressible	Compressible	Highly compressible
DIFFUSION	Does not diffuse	Diffuses slowly	Diffuses rapidly
MOLECULAR MOTION	Molecules vibrate in fixed positions	Molecules move past each other	Molecules move rapidly in all directions
EXAMPLES	Ice, wood, metal	Water, oil, alcohol	Air, steam, helium

COMIC EXPECTATIONS

Your comic should compare and contrast the properties of solids, liquids, and gases. The 8 basic properties of each state of matter should be included within your comic in a unique way (refer to the properties table above).

You must clearly label the 3 states of matter within your comic. The characters or objects representing them should be solid, liquid, and gas. If you have a character that is a solid, that character should be a solid, that character should be a liquid, that character should be a gas.

Your comic should be fun and engaging, with creative illustrations, that make your learning of what the particles look like inside each state of matter more enjoyable.

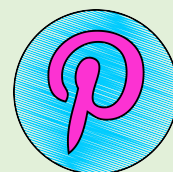
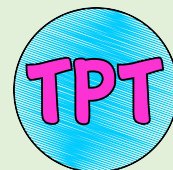
Your comic should be legible (easy to read).

You should create a comic character to represent a substance who has the ability to change between states of matter. You should include a character that you can link to your description. © 2017 DHS

STATES OF MATTER COMIC STRIP Fun Project!



CONNECT



Credits:

Cloud clipart & background graphics created by me 😊

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STATES OF MATTER COMIC

ASSIGNMENT: Create a comic strip story that compares and contrasts the three different states of matter.

SOLIDS, LIQUIDS, AND GASES


Matter can exist in three different forms. For example, water can exist as a solid (ice), a liquid (ocean water), and a gas (water vapor). Each state of matter differs from the other due to the behavior of its particles. See the diagram below for a detailed comparison of the properties of solids, liquids, and gases.

ENERGY (HEAT) →

PROPERTIES	SOLID	LIQUID	GAS
SHAPE	Definite	Indefinite (takes shape of its container)	Indefinite (takes shape of its container)
VOLUME	Definite	Definite	Indefinite
CLOSENESS OF PARTICLES	Closely Packed	Close but able to flow	Loosely Packed
INTERACTION BETWEEN PARTICLES	Very strong	Strong	Very little
MOTION OF PARTICLES	Can only vibrate	Move around each other	Move quickly in all directions
FLUIDITY	Cannot flow	Flow	Flow

← **ENERGY (HEAT)**

COMIC EXPECTATIONS

- Your comic should compare and contrast the properties of solids, liquids, and gases. The 6 basic properties of each state of matter should be included within your comic in a unique way (refer to the property chart above).
- You must indicate whether heat is being added or removed where appropriate within your comic. For instance, if your character is morphing from a solid to a liquid, heat would be added. If your character is going from a liquid to a solid, heat would be removed.
- Your comic must contain illustrated scenes and dialogue, within comic bubbles, that match your storyline. You also must include a drawing of what the particles look like inside each state of matter. Your illustrated scenes should be labeled where appropriate.
- Sorry, no stick figures allowed! 
- Proper spelling and grammar should be used and all wording should be legible (easy to read).
- Your comic should be neat and colorful.
- Be creative! Tell your story in a fun comic-style fashion. You should create a comic character to match your story. For example, you could take the role of a superhero who has the ability to change his/her state of matter, or any other fun character that you can link to your storyline. 😊

DUE DATE: _____

Name: _____

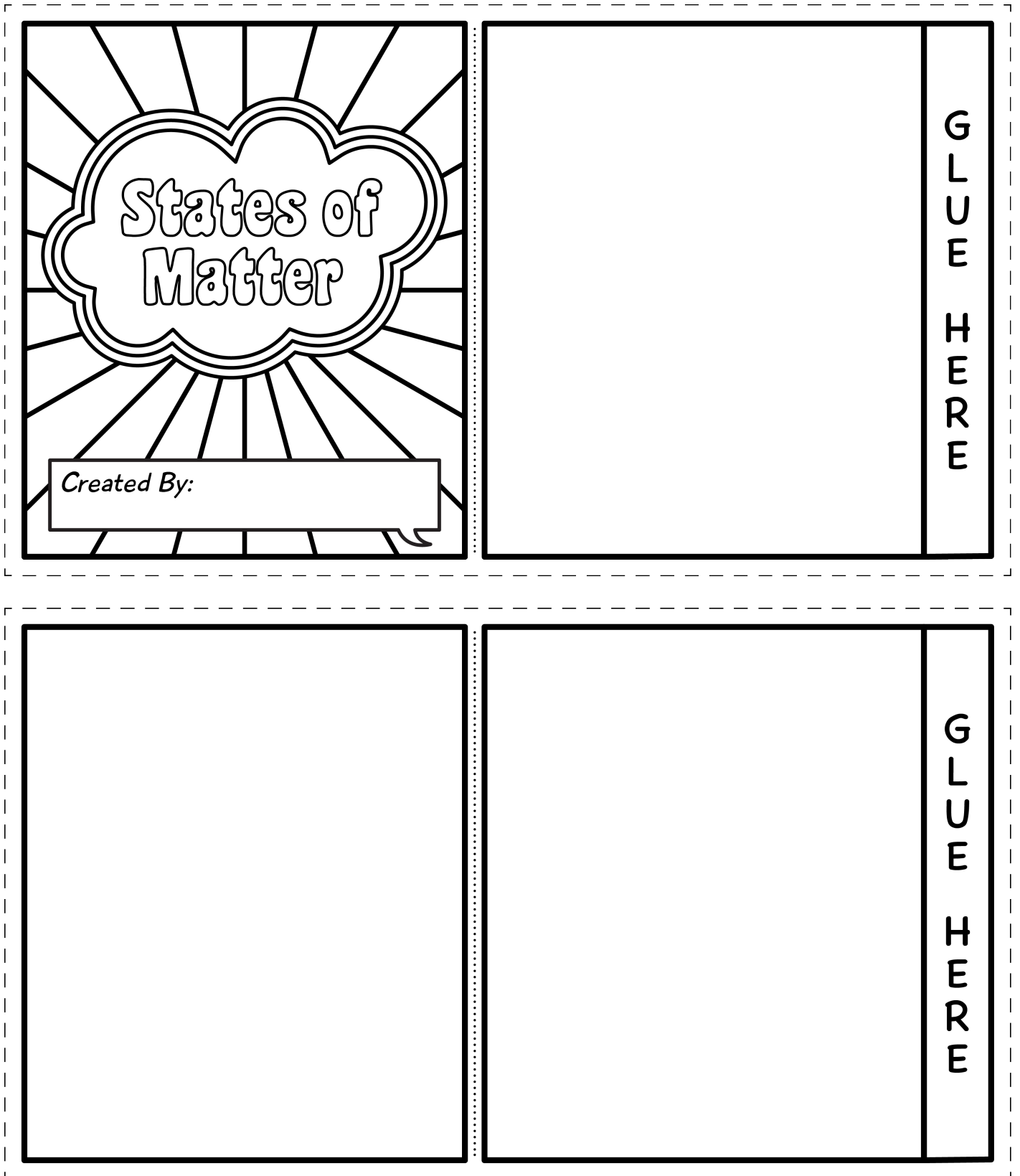
SCORING RUBRIC		
Category	Points Possible	Points Earned
Content ➤ The 6 characteristics of each state of matter is shown within the comic and the student clearly states whether heat is being added or removed where appropriate.	10	
Illustrated Scenes ➤ Each comic panel has colored, somewhat detailed illustrations that match the scene. *Includes a drawing of what the particles look like inside each state of matter	10	
Dialogue ➤ The story includes dialogue, within comic bubbles, that is well matched to the storyline.	10	
Spelling & Grammar ➤ No spelling, punctuation, or grammar errors are present.	5	
Clarity & Neatness ➤ The comic is legible and easy to understand. Labels are included where appropriate.	5	
Creativity ➤ The comic is not purely informational. The story is told in a comic-style fashion and combines words and illustrations to create a fun, but informative, story.	10	
SCORE TOTAL: (Out of 50 Points Possible)		
PERCENTAGE:		
LETTER GRADE:		

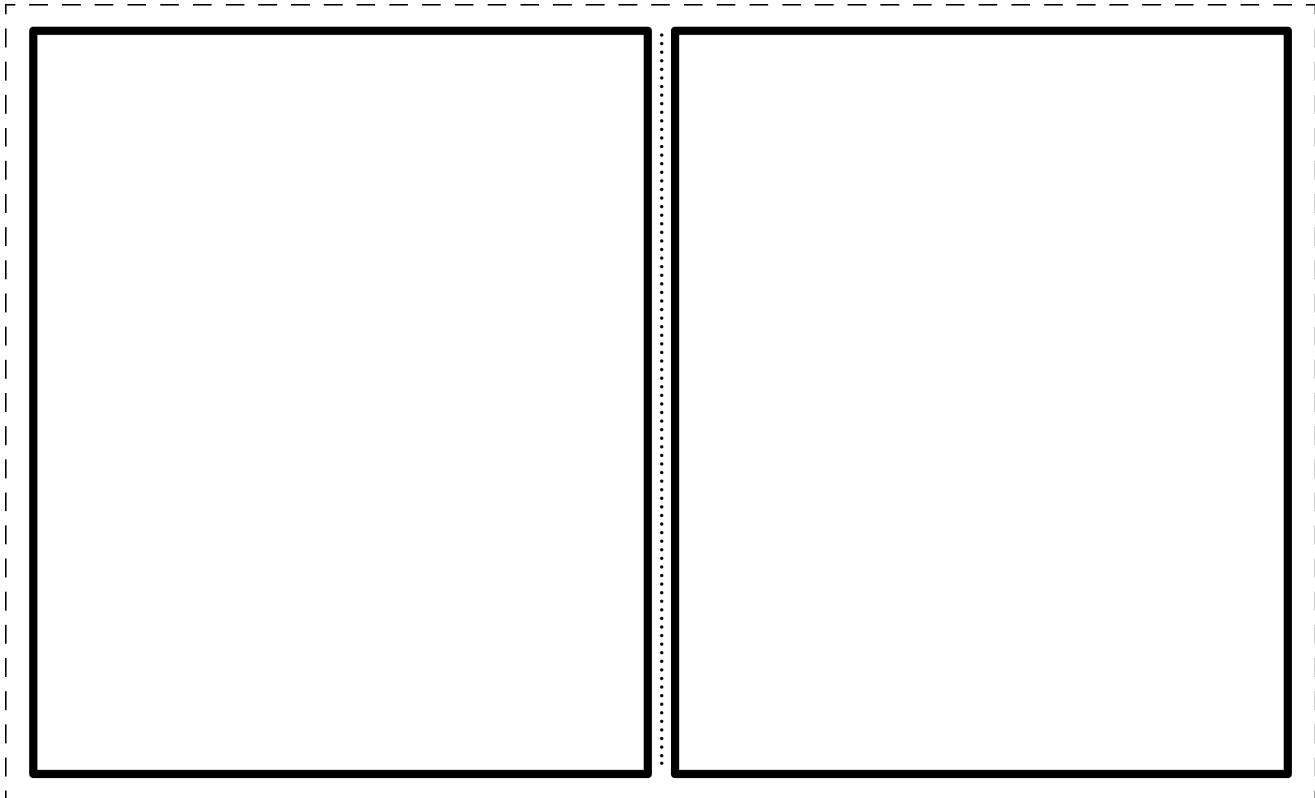
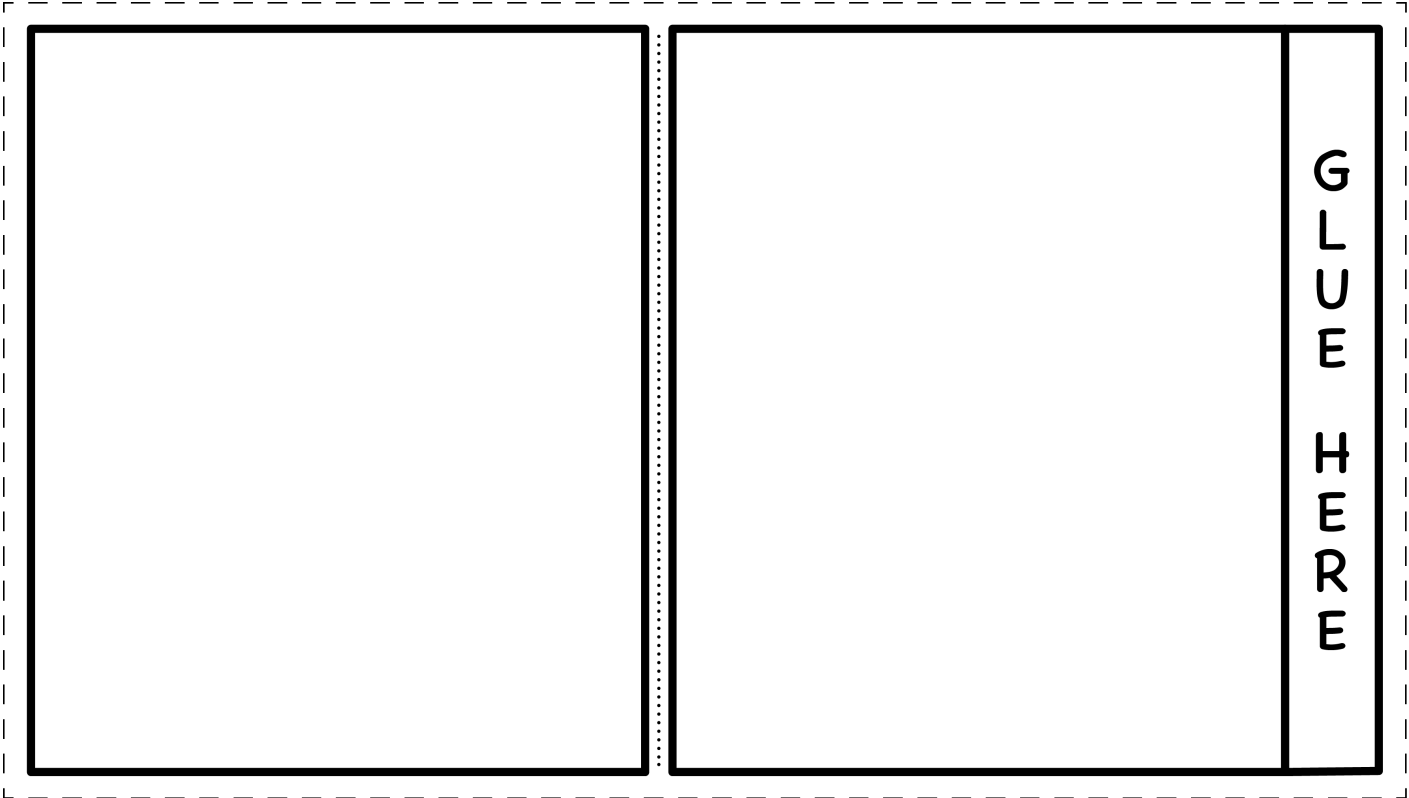
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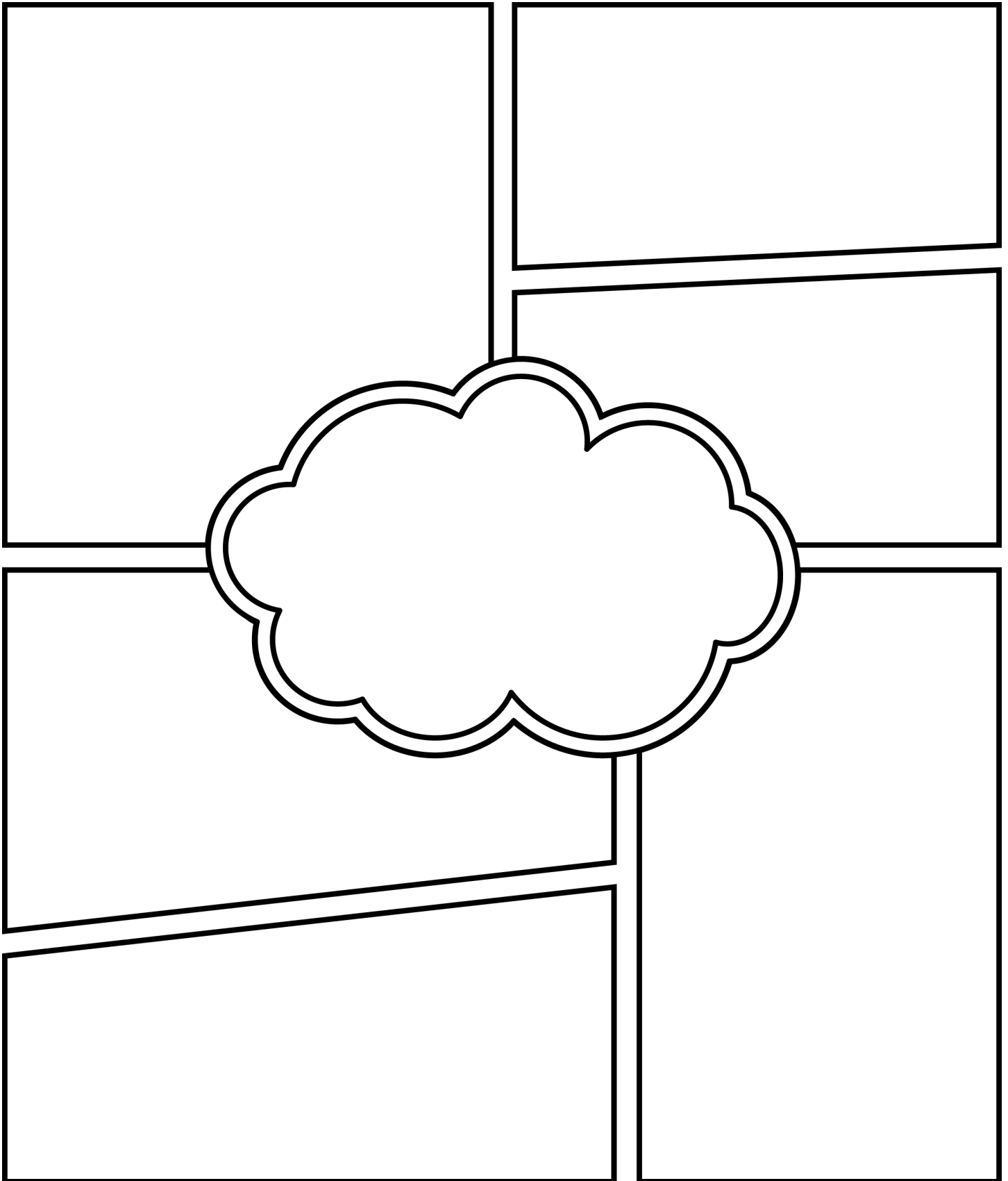
STATES OF MATTER- COMIC FOLDABLE

Foldable Directions: Cut out the comic strip along the dashed lines; fold on the dotted lines accordion style. Glue the sections together at the designated box. Once glue has dried, fold in between the glued sections to create accordion style folds for the entire comic strip.



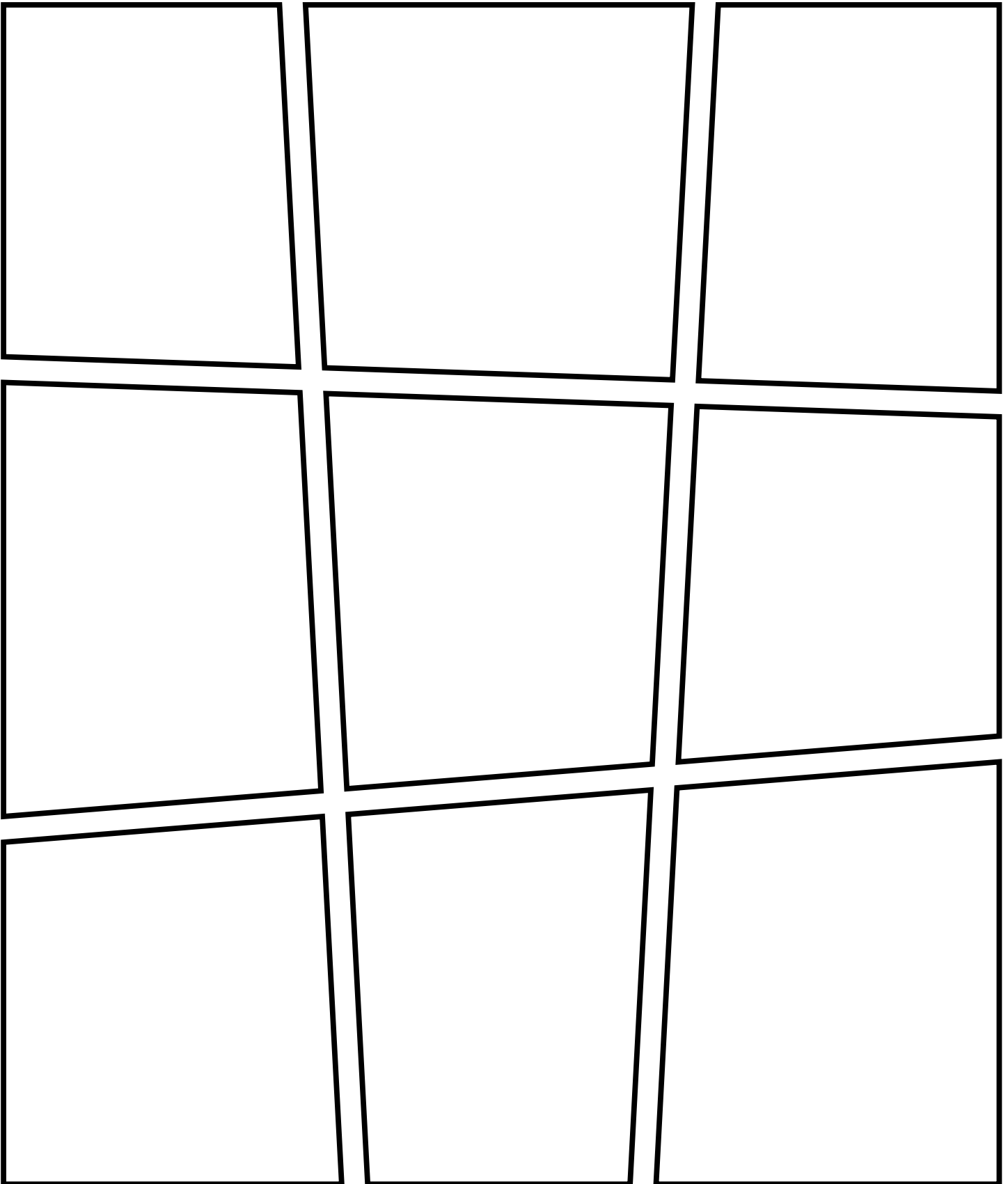


STATES OF MATTER COMIC



Created By: _____

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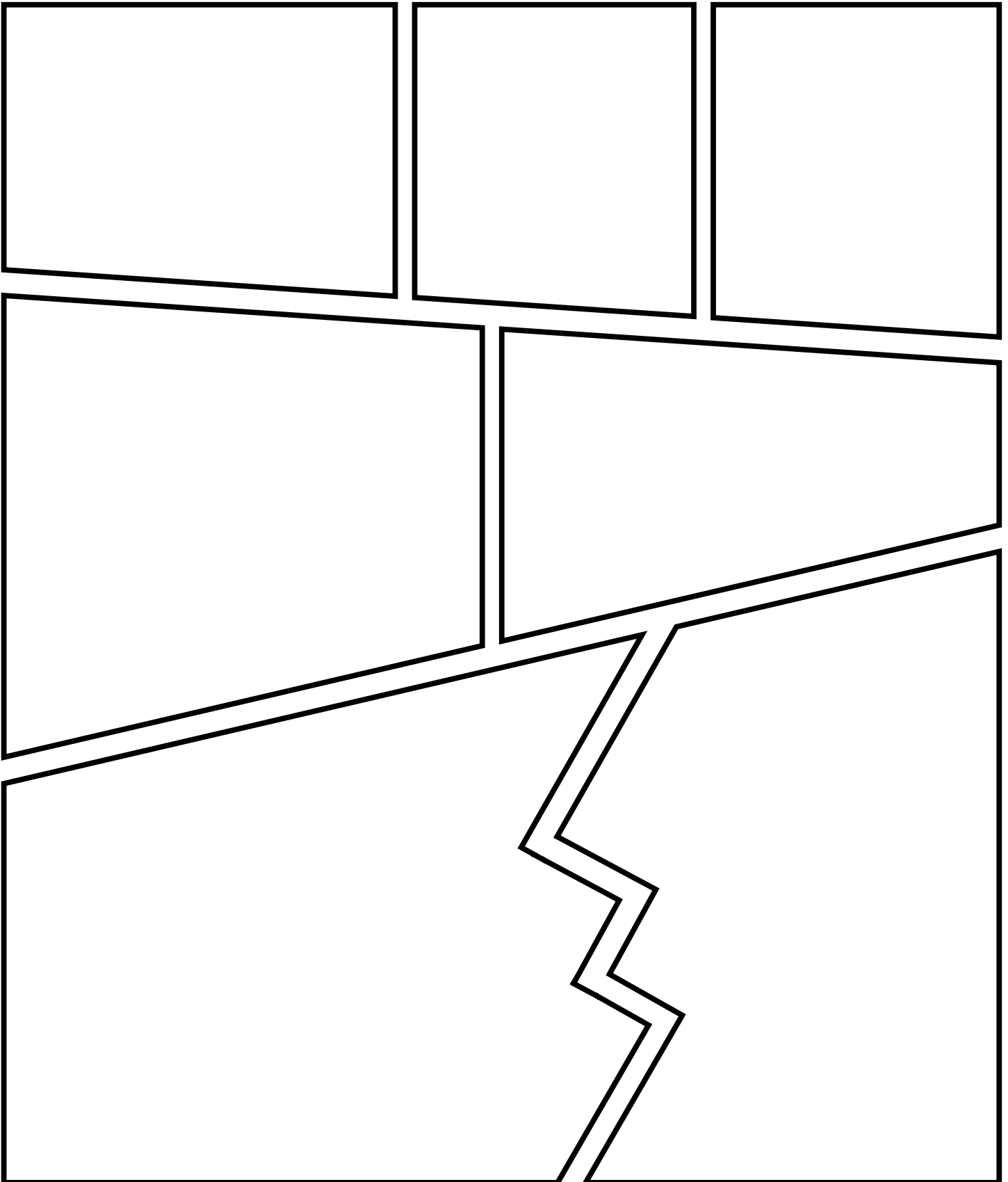
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STATES OF MATTER COMIC

A comic strip template consisting of seven panels. The top row contains three panels of equal size. The middle row contains a single, larger panel that spans the width of the two panels below it. The bottom row contains three panels of equal size, similar in size to the panels in the top row. All panels are empty and outlined with a thick black border.

Created By: _____

STATES OF MATTER COMIC



Created By: _____