

NAME: \_\_\_\_\_

PERIOD: \_\_\_\_\_

**Fill out the following questions for each of the articles you read.**

**1. Why there is no liquid water on the surface of mars:**

a. what did the article have to do with the states of matter?

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b. what did you find surprising/interesting about the behavior of the state(s) of matter mentioned in the article?

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c. Why don't we observe the phenomena/behaviors of the states of matter mentioned in the article on the Earth's surface?

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**2. The bizarre "trick" that Pluto's gaseous atmosphere can "perform":**

a. what did the article have to do with the states of matter?

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b. what did you find surprising/interesting about the behavior of the state(s) of matter mentioned in the article?

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c. Why don't we observe the phenomena/behaviors of the states of matter mentioned in the article on the Earth's surface?

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**3. How a frozen world like Jupiter's moon Europa could actually have a liquid water ocean:**

a. what did the article have to do with the states of matter?

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b. what did you find surprising/interesting about the behavior of the state(s) of matter mentioned in the article?

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c. Why don't we observe the phenomena/behaviors of the states of matter mentioned in the article on the Earth's surface?

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**4. Comets, the sun, and vaporization:**

a. what did the article have to do with the states of matter?

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b. what did you find surprising/interesting about the behavior of the state(s) of matter mentioned in the article?

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c. Why don't we observe the phenomena/behaviors of the states of matter mentioned in the article on the Earth's surface?

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**5. The day it rained rock and the doom of the dinosaurs:**

a. what did the article have to do with the states of matter?

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b. what did you find surprising/interesting about the behavior of the state(s) of matter mentioned in the article?

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c. Why don't we observe the phenomena/behaviors of the states of matter mentioned in the article on the Earth's surface?

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**6. How to turn air into a liquid:**

a. what did the article have to do with the states of matter?

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b. what did you find surprising/interesting about the behavior of the state(s) of matter mentioned in the article?

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c. Why don't we observe the phenomena/behaviors of the states of matter mentioned in the article on the Earth's surface?

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**7. Can matter exist as a solid, liquid, and gas at the same temperature?**

a. what did the article have to do with the states of matter?

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b. what did you find surprising/interesting about the behavior of the state(s) of matter mentioned in the article?

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c. Why don't we observe the phenomena/behaviors of the states of matter mentioned in the article on the Earth's surface?

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