

Mind Over Matter

For each description, shade the circle of the matching state of matter. Then write your answer in the puzzle below.

- It feels wet.

<input type="radio"/> gas	<input type="radio"/> gas or liquid
<input type="radio"/> liquid	<input type="radio"/> solid
- It has a definite shape.

<input type="radio"/> solid	<input type="radio"/> gas
<input type="radio"/> liquid	<input type="radio"/> solid or liquid
- It often cannot be seen, felt, or smelled.

<input type="radio"/> solid, liquid, or gas	<input type="radio"/> solid
<input type="radio"/> liquid	<input type="radio"/> gas
- Similar to liquids, it has no shape of its own.

<input type="radio"/> solid	<input type="radio"/> liquid
<input type="radio"/> gas	<input type="radio"/> no state of matter
- It flows freely.

<input type="radio"/> no state of matter	<input type="radio"/> liquid
<input type="radio"/> liquid or solid	<input type="radio"/> solid, liquid, or gas
- It spreads out to fill whatever space there is.

<input type="radio"/> liquid or gas	<input type="radio"/> gas
<input type="radio"/> liquid	<input type="radio"/> liquid or solid
- It keeps its own shape.

<input type="radio"/> gas	<input type="radio"/> solid
<input type="radio"/> liquid	<input type="radio"/> liquid or solid
- Like liquids, it has a definite volume.

<input type="radio"/> solid, liquid, or gas	<input type="radio"/> gas
<input type="radio"/> liquid	<input type="radio"/> solid
- A change in energy can cause this to change state.

<input type="radio"/> liquid or gas	<input type="radio"/> gas or liquid
<input type="radio"/> solid, liquid, or gas	<input type="radio"/> solid
- It has no shape without a container to hold it.

<input type="radio"/> gas or liquid	<input type="radio"/> liquid or solid
<input type="radio"/> gas or solid	<input type="radio"/> solid, liquid, or gas
- Like solids, it has a definite volume.

<input type="radio"/> no state of matter	<input type="radio"/> liquid or gas
<input type="radio"/> gas	<input type="radio"/> liquid
- It takes the shape of its container.

<input type="radio"/> liquid or solid	<input type="radio"/> liquid or gas
<input type="radio"/> solid or gas	<input type="radio"/> solid, liquid, or gas
- It can be poured.

<input type="radio"/> solid, liquid, or gas	<input type="radio"/> liquid
<input type="radio"/> no state of matter	<input type="radio"/> gas or liquid
- It does not have a definite volume.

<input type="radio"/> liquid or gas	<input type="radio"/> gas
<input type="radio"/> liquid	<input type="radio"/> no state of matter
- Its molecules are the most tightly packed.

<input type="radio"/> liquid	<input type="radio"/> gas
<input type="radio"/> solid	<input type="radio"/> solid, liquid, or gas
- Its molecules are least tightly packed.

<input type="radio"/> gas	<input type="radio"/> solid
<input type="radio"/> liquid	<input type="radio"/> solid, liquid, or gas



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To check your work:

- Each letter must appear only once in each row.
- Each letter must appear only once in each column.
- Each letter must appear only once in the boldfaced box.

Hint: Choose one state of matter. Then write a paragraph that describes the element's characteristics. Use your own words to include facts from above.