

Name. _____

STATES OF MATTER

Supplies

- Pencil
- Substance Cups #1-5
- Substance X
- Empty cups

Directions

1. Begin with Substance #1 and work your way through Substance #5. Leave the cup sitting on your desk. First as a group **observe** the substance. Discuss as a group if the substance is a solid, liquid, or gas.
2. As a group you may now TOUCH the substance. Discuss as a group if the substance is a solid, liquid, or gas.
3. In the squares please draw how your group thinks the molecules are aligned with each other. Underneath the squares please explain in detail why your group decided how the molecules are aligned.
4. Stay on task or Mr. Blake will get really grumpy.

SUBSTANCE #1

Part 1: OBSERVATIONS

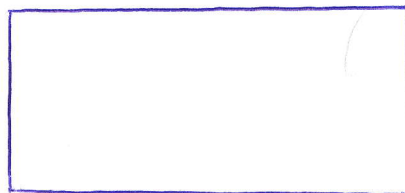
1. Is the substance a solid, liquid, or gas? Tell me why your group believes this by only looking at the substance.

Part 2: OBSERVATIONS BY TOUCH

1. Is the substance a solid, liquid, or gas? Tell me why your group believes this by touching the substance.

Part 3: CONCLUSION

1. Draw in the square how your group believes the molecules are aligned for this substance. Under the square please explain in detail how your group came to this conclusion.



SUBSTANCE #2

Part 1: OBSERVATIONS

1. Is the substance a solid, liquid, or gas? Tell me why your group believes this by only looking at the substance.

Part 2: OBSERVATIONS BY TOUCH

1. Is the substance a solid, liquid, or gas? Tell me why your group believes this by touching the substance.

Part 3: CONCLUSION

1. Draw in the square how your group believes the molecules are aligned for this substance. Under the square please explain in detail how your group came to this conclusion.

