

Properties of Matter

Solids	Liquids	Gas

Notes & Explanation:

Materials Classification

Solids	Liquids

Directions: Provide examples of each state of matter. Think about the materials used during DNA extraction, classify the items you can in the 2 columns: solids or liquids. Explain the process of the changes in states of matter that take place during the experiment.

Properties of Matter **Answer Key**

Solids	Liquids	Gas
Firm and stable shape, not liquid or solid.	A substance that flows freely but is of constant volume.	A substance of matter in a state in which it will expand freely to fill a container, having no fixed shape and no fixed volume.

Notes & Explanation:

The strawberry begins as a solid and is mashed in a plastic bag into a mush. Solution (a liquid) is added to the mixture and then is separated using a pipette. In this process the DNA of a strawberry is extracted.

Answers may vary

Materials Classification

Solids	Liquids
Strawberry plastic bag Plastic cup pipette Coffee filters yarn Test tube microcentrifuge tubes	Buffer Solution (dish soap and water)

Directions: Provide examples of each state of matter. Think about the materials used during DNA extraction, classify the items you can in the 2 columns: solids or liquids. Explain the process of the changes in states of matter that take place during the experiment.