



Coherence and Alignment Among Science Curriculum, Instruction, and Assessment (CASCIA) Project

Grade 5 Unit 1: Matter and Its Interactions

Task 1 Prompt 2 Scored and Annotated Anchor Set

July 2024

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CASCIA Grade 5 EOU Assessment 1 Task 1: What's the Matter?

Prompt 2 Score Point 3

Prompt 2 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2	No aspect of the response is correct	Response includes one (1) of the five (5) correct mixtures that can be used to identify the unknown solids	Response includes two (2) or three (3) of the five (5) correct mixtures that can be used to identify the unknown solids	Response includes four (4) or five (5) of the five (5) correct mixtures that can be used to identify the unknown solids	NA

Score Point 3 (3/3 aspects met)

- Includes all correct mixtures of vinegar and water that can be used to identify the unknown solids.

Complete **Diagram 1** with mixtures of unknown solids, water, and vinegar that can be used to identify the unknown solids. One mixture is filled in.

Mixtures of Unknown Solids with Liquids



CASCIA Grade 5 EOU Assessment 1 Task 1: What's the Matter?

Prompt 2 Score Point 2

Prompt 2 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2	No aspect of the response is correct	Response includes one (1) of the five (5) correct mixtures that can be used to identify the unknown solids	Response includes two (2) or three (3) of the five (5) correct mixtures that can be used to identify the unknown solids	Response includes four (4) or five (5) of the five (5) correct mixtures that can be used to identify the unknown solids	NA

Score Point 2 (2/3 aspects met)

- Includes mixing two of the unknown substances correctly (i.e., Solid C with water and Solid B with water).

Complete the diagram below with mixtures of unknown solids, water, and vinegar that can be used to identify the unknown solids. One mixture is filled in.

Mixtures of Unknown Solids with Liquids



CASCIA Grade 5 EOU Assessment 1 Task 1: What's the Matter?

Prompt 2 Score Point 1

Prompt 2 Rubric

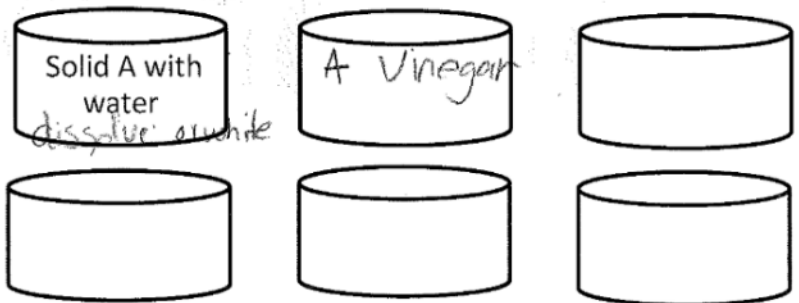
Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2	No aspect of the response is correct	Response includes one (1) of the five (5) correct mixtures that can be used to identify the unknown solids	Response includes two (2) or three (3) of the five (5) correct mixtures that can be used to identify the unknown solids	Response includes four (4) or five (5) of the five (5) correct mixtures that can be used to identify the unknown solids	NA

Score Point 1 (1/3 aspects met)

- Includes mixing Solid A with vinegar only.

Complete the diagram below with mixtures of unknown solids, water, and vinegar that can be used to identify the unknown solids. One mixture is filled in.

Mixtures of Unknown Solids with Liquids



CASCIA Grade 5 EOU Assessment 1 Task 1: What's the Matter?

Prompt 2 Score Point 0

Prompt 2 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2	No aspect of the response is correct	Response includes one (1) of the five (5) correct mixtures that can be used to identify the unknown solids	Response includes two (2) or three (3) of the five (5) correct mixtures that can be used to identify the unknown solids	Response includes four (4) or five (5) of the five (5) correct mixtures that can be used to identify the unknown solids	NA

Score Point 0 (0/3 aspects met)

- Does **NOT** include any of the correct mixtures.

Complete **Diagram 1** with mixtures of unknown solids, water, and vinegar that can be used to identify the unknown solids. One mixture is filled in.

Diagram 1. Mixtures of Unknown Solids with Liquids

The diagram shows a 2x3 grid of containers. The top row contains 'Solid A with water', 'Solid B', and 'Solid C'. The bottom row contains 'Syrup', 'corn starch', and 'powdered sugar'. Checkmarks are placed next to 'Solid B', 'corn starch', and 'powdered sugar'.