

SCIENCE: Sample Items**Questions 1**

This item has the following characteristics:

Strand: Energy, Force and Matter

Objectives: Explore specific properties of everyday materials
(rough, smooth, hard, ductile, malleable, colour)

Science Practice: ScP4. Analyzing and interpreting data
ScP7. Engage in argument from evidence
ScP8. Obtaining, evaluating, and
communicating information

Item Type: Order Match

About this Item Type: This item type asks students to fill in some blanks with some choices. All blanks must be filled in, but some of the choices may not be used, and no choice can be used more than once.

In 1812, Fredrich Mohs, a scientist, invented a method to compare materials according to the hardness. This method is based on the idea that **a harder material only scratches a softer material.**

Carol wants to determine how hard three minerals, Mineral A, Mineral B and Mineral C, are. The results of Carol's experiment are shown in the table below.

	Mineral X	Mineral Y
Mineral A scratches	No	No
Mineral B scratches	No	Yes
Mineral C scratches	Yes	Yes

Place the three minerals, Mineral A, Mineral B and Mineral C, in order according to how hard they are, from most hard to least hard. Write the name of the minerals in the empty boxes.

Most **Hard** **Least Hard**