

<b>mineral</b>	<b>common chemical formula</b>	<b>price at Ward's Science for 10 student specimens</b>	<b>products that can be provided in the class</b>
calcite	CaCO <sub>3</sub>	\$9.95	toothpaste, Cheerios, antacid
quartz	SiO <sub>2</sub>	\$10.95	glass
halite	NaCl	\$16.95	table salt, road salt
hematite (specularite)	Fe <sub>2</sub> O <sub>3</sub>	\$12.50	jewelry
hematite	Fe <sub>2</sub> O <sub>3</sub>	\$12.75	blush (makeup)
graphite	C	\$39.95	pencil
gypsum	CaSO <sub>4</sub> •2(H <sub>2</sub> O)	\$10.75	drywall, plaster
muscovite	KAl <sub>2</sub> (Si <sub>3</sub> Al)O <sub>10</sub> (OH,F) <sub>2</sub>	\$11.75	makeup (sparkly eyeshadow)
talc	Mg <sub>3</sub> Si <sub>4</sub> O <sub>10</sub> (OH) <sub>2</sub>	\$12.95	baby powder, makeup
galena	PbS	\$33.50	photo of a car battery
kaolinite	Al <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub>	\$9.95	porcelain
chalcopyrite	CuFeS <sub>2</sub>	\$23.50	copper wire, penny, matches (use the sulfur)
barite	BaSO <sub>4</sub>	\$13.75	photo of a truck mudflap
bauxite	This is a rock (chemically inhomogeneous) containing minerals like gibbsite (Al(OH) <sub>3</sub> ), boehmite (AlO(OH)) and/or diasporite (AlO(OH))	\$11.95	aluminum foil
apatite	Ca <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> (OH,F,Cl)	\$19.95*	fertilizer

Prices were researched July 2014. (\*The Ward's Science website did not have apatite student specimens when visited in July 2014. The 2012 price is shown in the table.)

The total (2014) price of mineral specimens is about \$25 per student, but minerals can be reused year after year. Buying a bulk pack of muscovite is recommended, as muscovite is destroyed faster than other minerals.

Ward's ([www.wardssci.com](http://www.wardssci.com)) is only one potential source for minerals.