




## AT-HOME SCIENCE ACTIVITIES

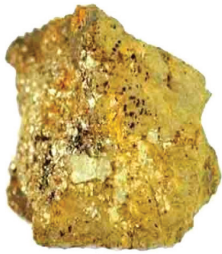
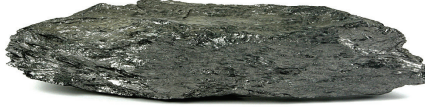


# SCAVENGER HUNT: minerals in your house

How many of these items can you find around your house? Check the box as you discover each one!


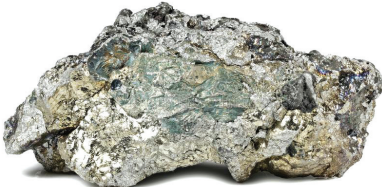

MINERAL	USES	FACTS
<b>BARITE</b> 	<input type="checkbox"/> Rubber hoses for dishwashers and washing machines <input type="checkbox"/> Reflective paints <input type="checkbox"/> Bowling balls, golf balls, tennis balls (adds density) <input type="checkbox"/> Plastics	Barite has been mined in Bartow County for more than 100 years. Barite ore is usually massive, but can also come in beautiful crystals.
<b>BAUXITE (ALUMINUM ORE)</b> 	<input type="checkbox"/> Aluminum foil <input type="checkbox"/> Soda cans <input type="checkbox"/> Kitchen utensils, pots and pans <input type="checkbox"/> Metal window frames and screens	Georgia was the nation's first bauxite producer, and was first mined on what is now Barnsley Resort. The old bauxite pits are now part of the resort's sporting clay grounds.
<b>FELDSPAR</b> 	<input type="checkbox"/> Dinnerware <input type="checkbox"/> Window glass <input type="checkbox"/> Ceramic sinks and toilets <input type="checkbox"/> Floor tiles	Feldspar is one of the world's most abundant minerals, and when it weathers, it turns into another important Georgia mineral—kaolin.

# BECAUSE SCIENCE MATTERS!

## SCAVENGER HUNT: minerals in your house (continued)

MINERAL	USES	FACTS
<b>GOLD</b> 	<input type="checkbox"/> Jewelry <input type="checkbox"/> Electronics (computers, cell phones, etc.) <input type="checkbox"/> Electronics in appliances <input type="checkbox"/> Dentistry (fillings)	In 1829, Georgia experienced the first major gold in the country. Mining continued off and on until 1932, more than a hundred years later. And there's still gold out there—a specimen containing approximately seven ounces of gold was found by a prospector only 25 years ago and is now on display at Tellus along with 130 nuggets found with it.
<b>GRAPHITE</b> 	<input type="checkbox"/> Pencil lead <input type="checkbox"/> Lubricant for door locks <input type="checkbox"/> Lightweight bicycle frames <input type="checkbox"/> Batteries	Graphite is so soft you can write on paper with it—that's why it's used for pencils (remember, pencil "lead" is not made of lead; it's made of graphite).
<b>HEMATITE AND GOETHITE (IRON ORES)</b> 	<input type="checkbox"/> Steel (appliances, screws and nails, tools) <input type="checkbox"/> Pigments in grout <input type="checkbox"/> Cosmetics	Georgia was a major iron producer until the end of the Civil War. A few mines opened after, but the last one closed in 1958. Goethite (pronounced gerr-tite) was the major iron ore mined in the area around the Museum.
<b>KAOLIN</b> 	<input type="checkbox"/> Glossy paper <input type="checkbox"/> Toothpaste <input type="checkbox"/> Paint <input type="checkbox"/> Cosmetics <input type="checkbox"/> Rubber hoses for dishwashers and washing machines <input type="checkbox"/> Concrete	Kaolin—mined in central Georgia—is the state's most valuable mineral product. It is even exported to China!

## SCAVENGER HUNT: minerals in your house (continued)

MINERAL	USES	FACTS
<b>MICA</b> 	<input type="checkbox"/> Paints <input type="checkbox"/> Cosmetics (the sparkle in eyeshadow and lip gloss) <input type="checkbox"/> Walls (joint compound) <input type="checkbox"/> Electronics	Mica was mined in Georgia from the late 1800s into the early 1900s for oven windows and electrical insulators. It is now mined and ground to a powder for many industrial applications.
<b>PYROLUSITE (MANGANESE ORE)</b> 	<input type="checkbox"/> Steel <input type="checkbox"/> Aluminum alloys (soda cans) <input type="checkbox"/> Alkaline batteries	One of the first manganese mines in the country opened in 1866 in an area immediately south of Tellus. Bartow County soon became the nation's major producer of manganese with over 70 mines operating south and east of where the Museum is now. During the Museum's construction, staff located a number of small manganese pits at the south end of the property.
<b>QUARTZ</b> 	<input type="checkbox"/> Glass <input type="checkbox"/> Computer chips <input type="checkbox"/> Electronic circuits <input type="checkbox"/> Countertops <input type="checkbox"/> Amethyst, smoky quartz, and citrine jewelry	Quartz—including the purple variety, amethyst—is Georgia's state gem. Some of the most beautiful amethyst in the world is mined in Georgia.

**#MuseumFromHome**



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