

learning game

Put all the stones on **Start**.

Move each stone to the box where it is described. **SAY** the name of the rock or mineral.

The numbered tags won't help, because the stones are not in number order.

When you are done, check the numbers against the Tag# column below.



say and slide game

Use the back side of the playing board. Place all five stones **NUMBER SIDE DOWN** on **Other**.

SAY each name as you **SLIDE** each stone to its place. **DON'T PEEK** at the number tags yet!

When all five stones are on their squares, turn them over and check the numbers.

When you can do this and get all the stones right, you are ready for the advanced game with mystery stone (over).

Five stones (one mineral and four rocks) common from the Valley and Ridge (parts of Alabama, Georgia, Tennessee, Virginia, Maryland, Pennsylvania) westward to the Rocky Mountains

Rock (or Mineral) name	Color	Feel	Special notes	Tag #
Sandstone	white, pink, or gray	sandy	may have glitter (mica flakes)	5
Limestone	gray	smooth	may contain seashells and other fossils; can scratch with paper clip	2
Chert (a mineral)	white to dark gray	smooth with hard, sharp edges	cannot scratch with paper clip	1
Conglomerate	gray or brown	bumpy	contains white pebbles	3
Shale	many possible colors	smooth with flat shape	clay smell when wet; fragile (careful!); may contain black plant fossils or other fossils	4

advanced game with mystery stone

Return the five numbered stones to their plastic bag.

Use the back side of the playing board.

Place the ten unnumbered stones on their squares. There should be EXACTLY two stones on each square.

The Other square is for two stones that don't match any square. One is not a rock or mineral - it is human-made, such as a piece of asphalt pavement or concrete. The other is your MYSTERY STONE.

Use the table below to identify your mystery stone (rock or mineral).

hang on to this sheet - find your local rocks and minerals!

Now you are ready to identify common rocks and minerals from the Valley and Ridge (parts of Alabama, Georgia, Tennessee, Virginia, Maryland, Pennsylvania) westward to the Rocky Mountains. See the map at georgiarocks.us/games. You can download and print this sheet from there as well.

Four less common stones found from the Valley and Ridge westward to the Rocky Mountains.

Rock (or mineral) name	Color	Feel	Special notes
Siltstone	tan to light gray	smooth with blocky shape	cannot scratch with paper clip
Coal	black	lightweight for a rock	may have shiny surface where broken
Limonite (a mineral)	Dark brown with patches of yellow-brown	smooth with sharp edges, occasional holes	powdered mineral is yellow-brown to orange
Calcite (a mineral)	white	smooth with blocky shape	looks like crystal; found in veins in limestone; can scratch with paper clip