Warm-Up:
What is a rock?

Long Term Target:

I can identify the 3 main types of rocks and explain the geologic processes that led each type to form.

Today's Target:

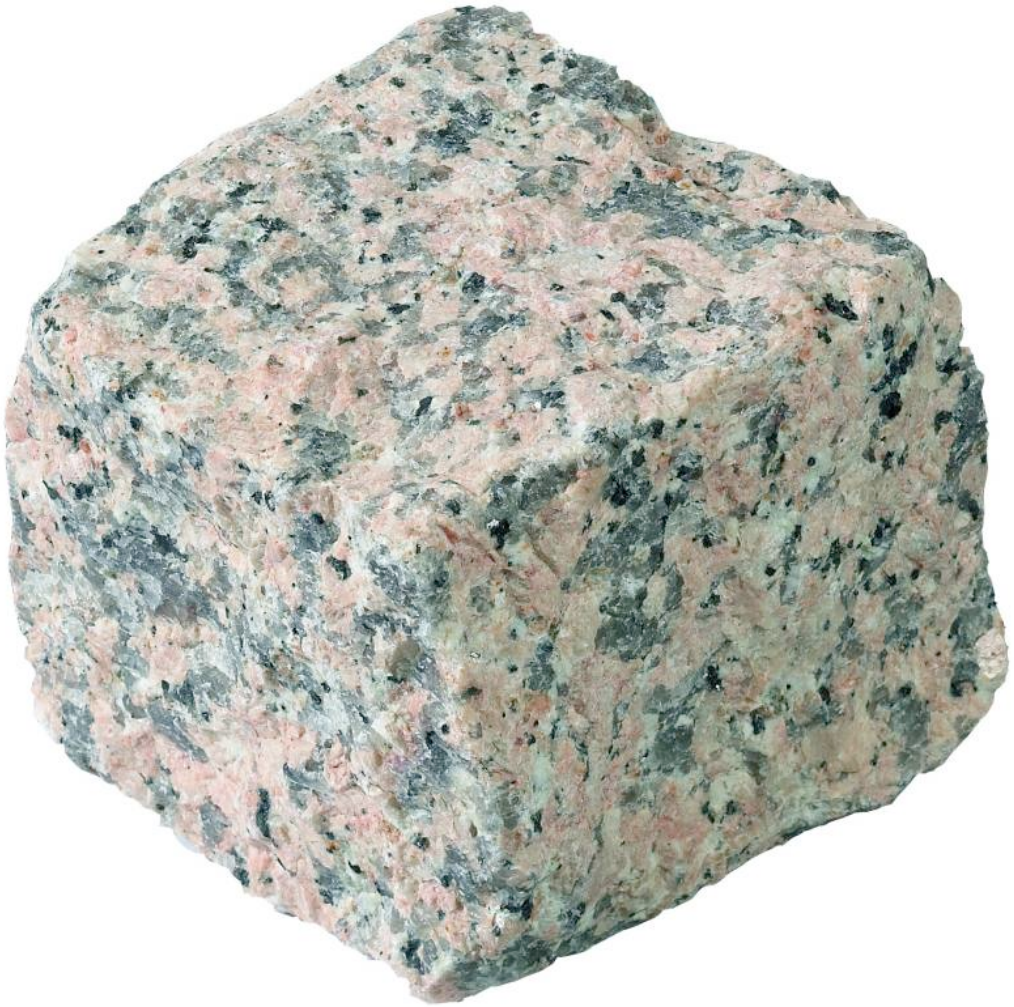
I can differentiate between things that are rocks and things that are not rocks using specific criteria.

Is it a rock?

Boulder

A tree

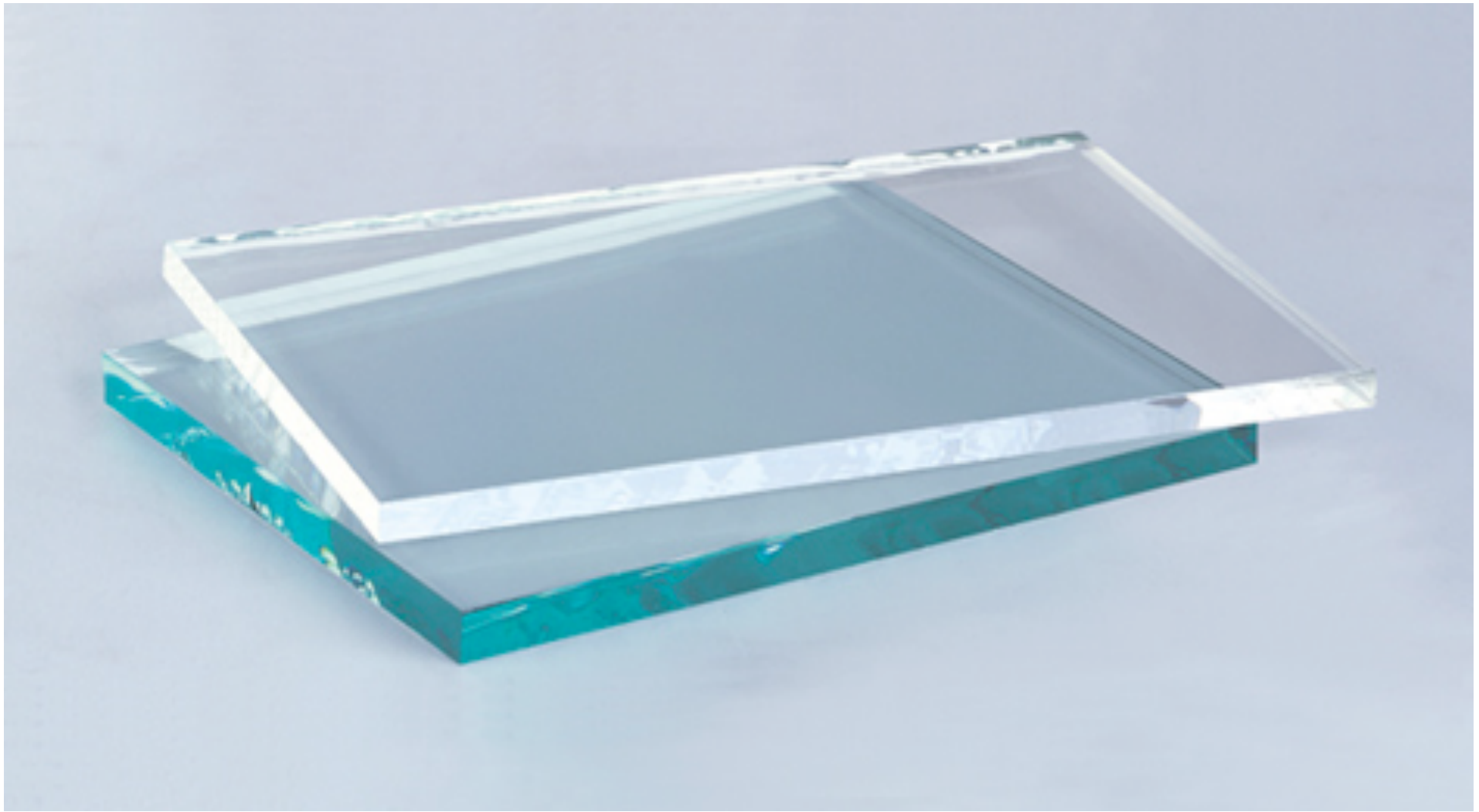
Granite



Sand

Soil

Glass



Pearl

Cement Block

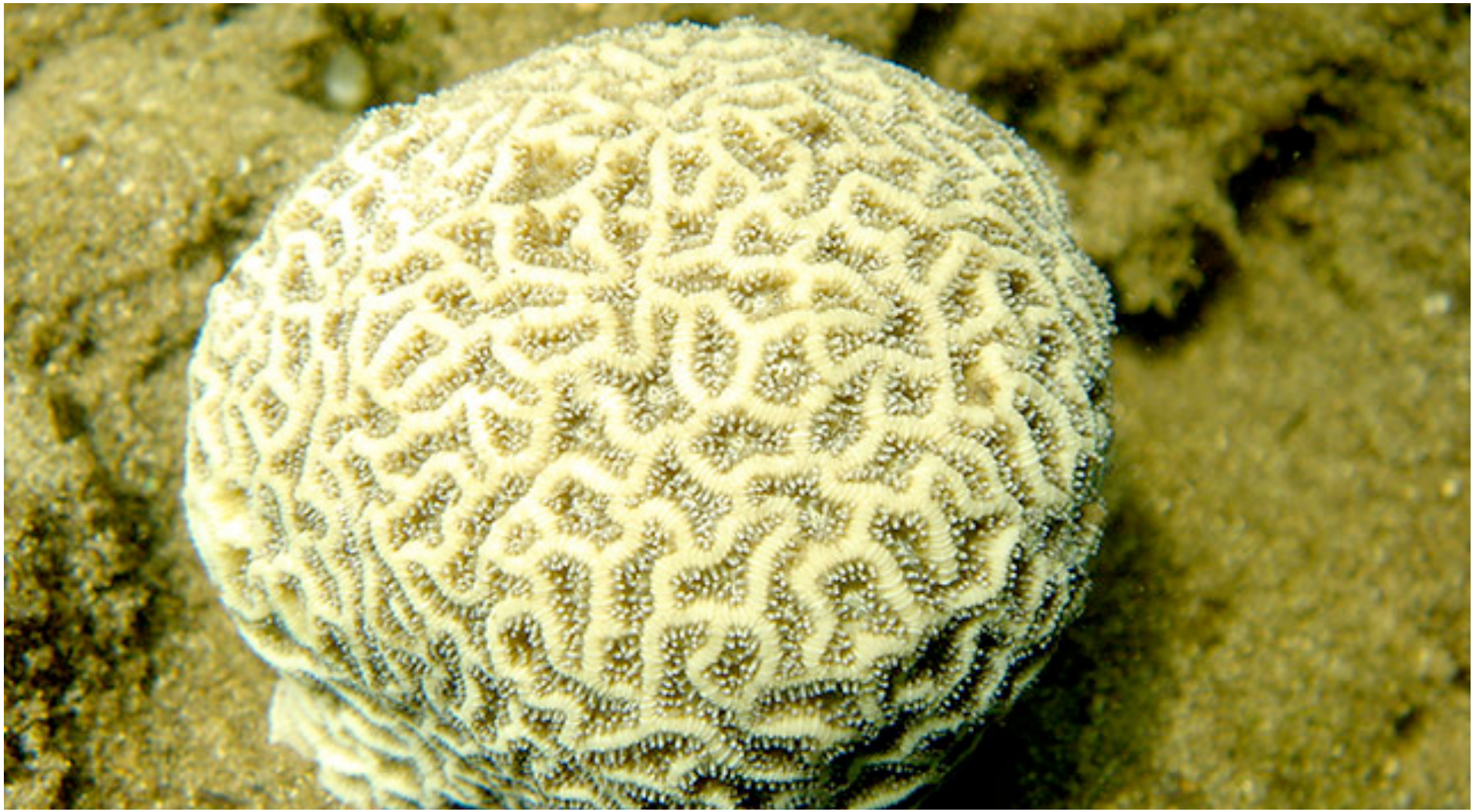
Molten Lava

Gold

Dried Mud

Piece of a Clay Pot

Coral



Gravestone

Brick

Diamond

Asphalt

Coal

Limestone

Concrete

Marble Statue

With a Partner:

Sort time images into 2 piles - things that are rocks and things that are not rocks

So what is a rock?

So what is a rock?

A rock is any **solid** mass of **inorganic** (not alive)* matter that occurs **naturally** through geologic processes as part of our planet.

What is a mineral?

A mineral is a naturally occurring inorganic solid, with a definite chemical composition, and an ordered atomic arrangement. This may seem a bit of a mouthful, but if you break it down it becomes simpler.

Minerals are naturally occurring
They are not made by humans

Minerals are inorganic
They have never been alive and are not made up from plants or animals

Minerals are solids
They are not liquids (like water), or gases (like the air around you)

Minerals have a definite chemical composition
Each one is made of a particular mix of chemical elements

Minerals have an ordered atomic arrangement
The chemical elements that make up each mineral are arranged in a particular way - this is why minerals 'grow' as crystals