

## Rock I collected from outside!

Use a microscope to observe and describe your sample, draw it here.

Describe your sample (color, hardness, feel).

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### Describe grain size

- fine grained
- medium grained
- coarse grained
- No grains. I see crystals!

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### Describe grains or crystals

- well sorted grains
- Poorly sorted grains
- No grains. I see crystals!

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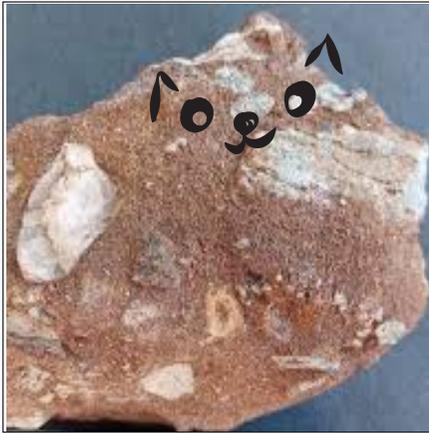
### Describe grains roundness

- well rounded round
- angular
- No grains my rocks is made of crystals

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## Sandstone

Describe the rock in this picture or use a microscope to observe a sandstone sample.

Describe the sandstone (color, hardness, feel).

Example: The sandstone is red and crumbly.

It feels rough.

### Describe grain size

fine grained

medium grained

coarse grained

No grains. I see crystals!

Example.

Example: The sandstone grains are very

small I also see very large grains almost like small rocks

### Describe grains or crystals

well sorted grains

Poorly sorted grains

No grains. I see crystals!

### Describe grains roundness

well rounded round

angular

No grains my rocks is

made of crystals

Sandstone's story: I can form in the ocean or on land. Ancient sand dunes and beaches can become sandstone.



## Mudstone

Describe the rock in this picture or use a microscope to describe a sample of mudstone.

Describe your sample (color, hardness, feel).

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### Describe grain size

- fine grained  
 medium grained  
 coarse grained  
 No grains. I see crystals!

Example: The grains are less than 0.5mm so fine  
grained. I need a microscope to see them.

### Describe grains or crystals

- well sorted grains  
 Poorly sorted grains  
 No grains. I see crystals!

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### Describe grains roundness

- well rounded round  
 angular  
 No grains my rocks is  
made of crystals

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Mud stone's story: I commonly form where rivers dump into the ocean. The tiny particles of silt and mud float out into the ocean and eventually settle on the sea floor.



## Granite

Describe the rock in this picture or look at a sample from your class. Describe the (color, hardness, feel).

Example: The rock has sharp edges and is

Black and white. I see shiny crystals!

### Describe grain size

fine grained

medium grained

coarse grained

No grains. I see crystals!

Example: I see shiny white crystals

and little black crystals.

### Describe grains or crystals

well sorted grains

Poorly sorted grains

No grains. I see crystals!

### Describe grains roundness

well rounded round

angular

No grains my rocks is

made of crystals

Granites story: I am made of crystals. Crystals form from magma cooling slowly underground! My crystals sparkle in the sunlight. I have dark and light crystals growing together. White crystals are made from an element called silica!