

Name:

1 Nice Gneiss

Look at the large piece of **Gneiss** (pronounced nice) from Greenland.

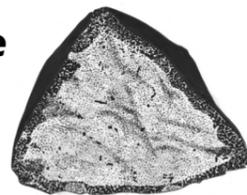


Feel it and ring the words that describe it:

- colourful
- stripy
- rough
- smooth
- brittle
- hard
- rigid
- green
- soft
- new

2 Rocks from Space

What do we call rocks that come from space?



Many of these contain a metal called:

NOIR

Rearrange the letters:

Feel the large rock from space.

What does it feel like?

Flick the edge of it with your finger!

What **sound** does it make?

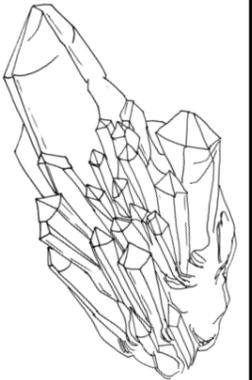
3 Rock hard

Look in the light green **Finding Out About Minerals** display case and **find** the Hardness Scale.

Put these minerals in order with hardest as **10** and softest as **1**

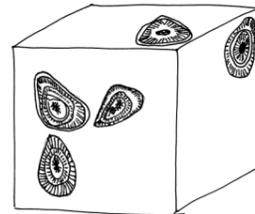
The first one has been done for you.

- Quartz **7**
- Talc
- Fluorite
- Diamond
- Calcite



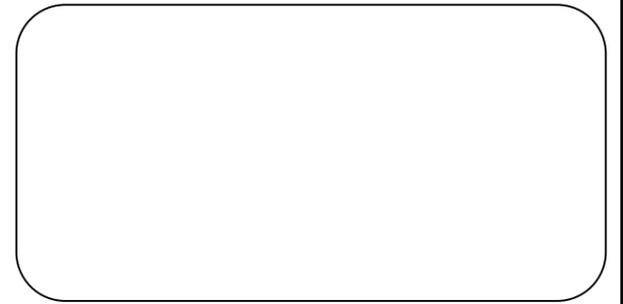
4 Hot rocks!

Granite is an igneous rock, made by volcanic lava.



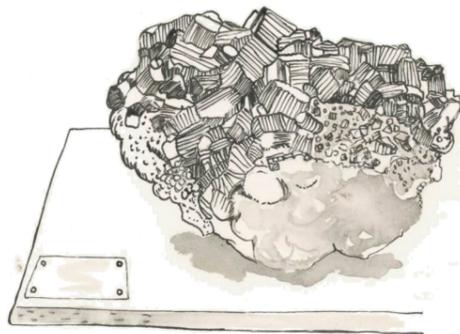
Look at the incredible pattern on the **Orbicular Granite**.

Draw a section of it here.



Keep looking!

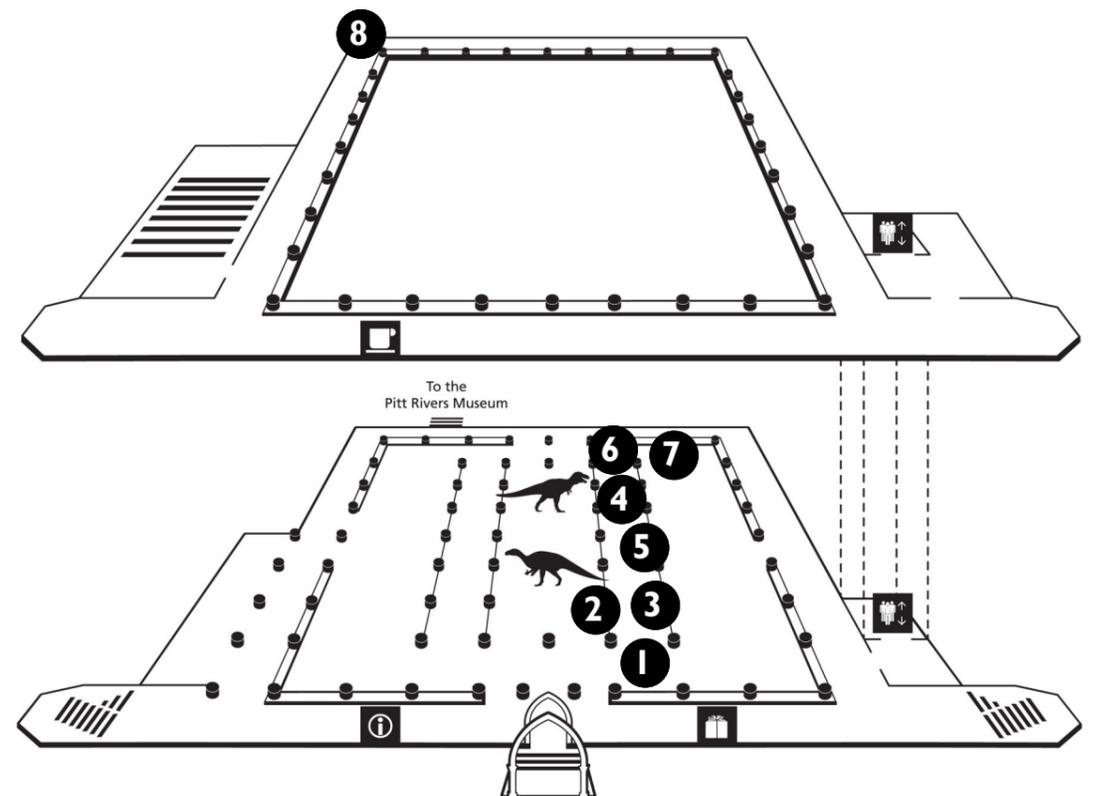
As you **look** around the displays, can you spot a rock that used to be a plant and is now a fossil?



Keep touching!

Touch the piece of **pyrite**. It is often called **Fool's Gold**. Why do you think this is?

Museum Map



5 What am I? Look at the *Industrial Minerals* display with a green background. **Solve** these riddles.

I am used to **draw** with. I am a...

 The mineral I am **made from** is...

I am used to **mend** broken bones. I am...

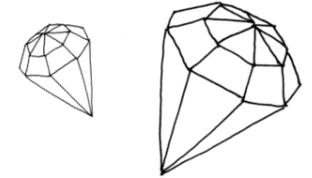
 The mineral I am **made from** is...

I am used to **clean** your teeth. I am...

 The mineral I am **made from** is...

I am used to **clean** clothes. I am...

 The mineral I am **made from** is...



6 Radical rocks

Look in the pink display *The Moving Earth*.

Can you complete these sentences?

----- **is a sedimentary rock**
 ----- **is an igneous rock**
 ----- **is a metamorphic rock**

7 Magical minerals!

Go into the *Fluorescent Minerals* hut. **Discuss** with your friends, which mineral is the most..

- vivid?**
- beautiful?**
- colourful?**
- subtle?**

What type of light makes the minerals glow? -----



Keep listening! Knock gently on all the *Feeling Good* minerals on display.

How are their sounds different? Can we learn anything from their sounds?

8 Glamorous Gemstones

Finally, go **upstairs** to the *Gemstones* Display Could you **sort** these beautiful stones into groups?

Discuss it with a friend.

Diamonds are the hardest mineral in the world so what can be used to cut them? -----

How many different diamond cuts are there?

Can you **find** a gemstone that...

- ... is stripy?
- ... was once wood?
- ... is your favourite colour?
- ... looks like metal?
- ... has large crystals?

Describe your favourite mineral to a friend.

Can they guess which one it is?

