



Geology

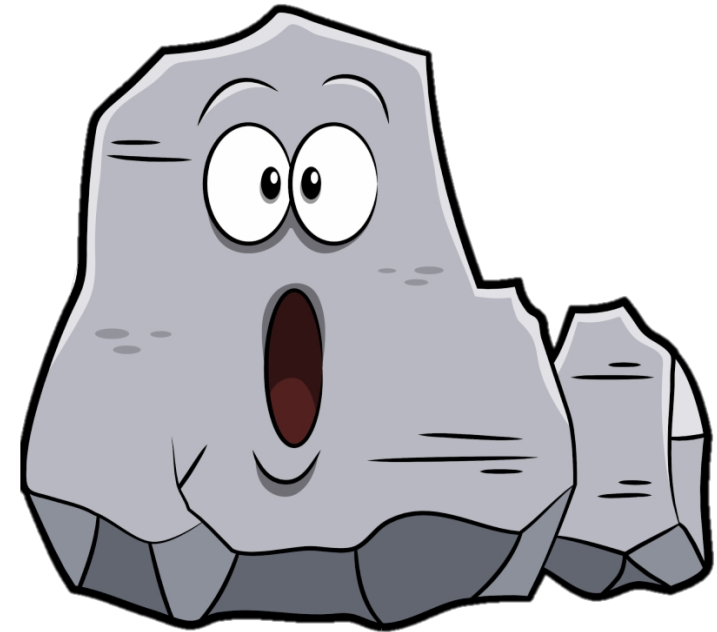
Adventurer e-award

Requirement **number 1**



What is a **Geologist**?

- To first understand what a geologist is, we must define what [geology](#) is.
- What do you think geology is?



Requirement **number 1**

- Other words for Geology are “Earth Science” and “Geoscience”.
- This is the study of **all** the Earth’s amazing **structure** and **systems**. For example:
 - Rock and crystal formation.
 - Plate tectonics.
 - How water systems (rivers, seas, oceans). have shaped the planet.
 - Natural disasters like volcanos, Earthquakes, tornados.
 - The Flood
 - Fossils (e.g. Dinosaurs)
 - Dating the age of Earth

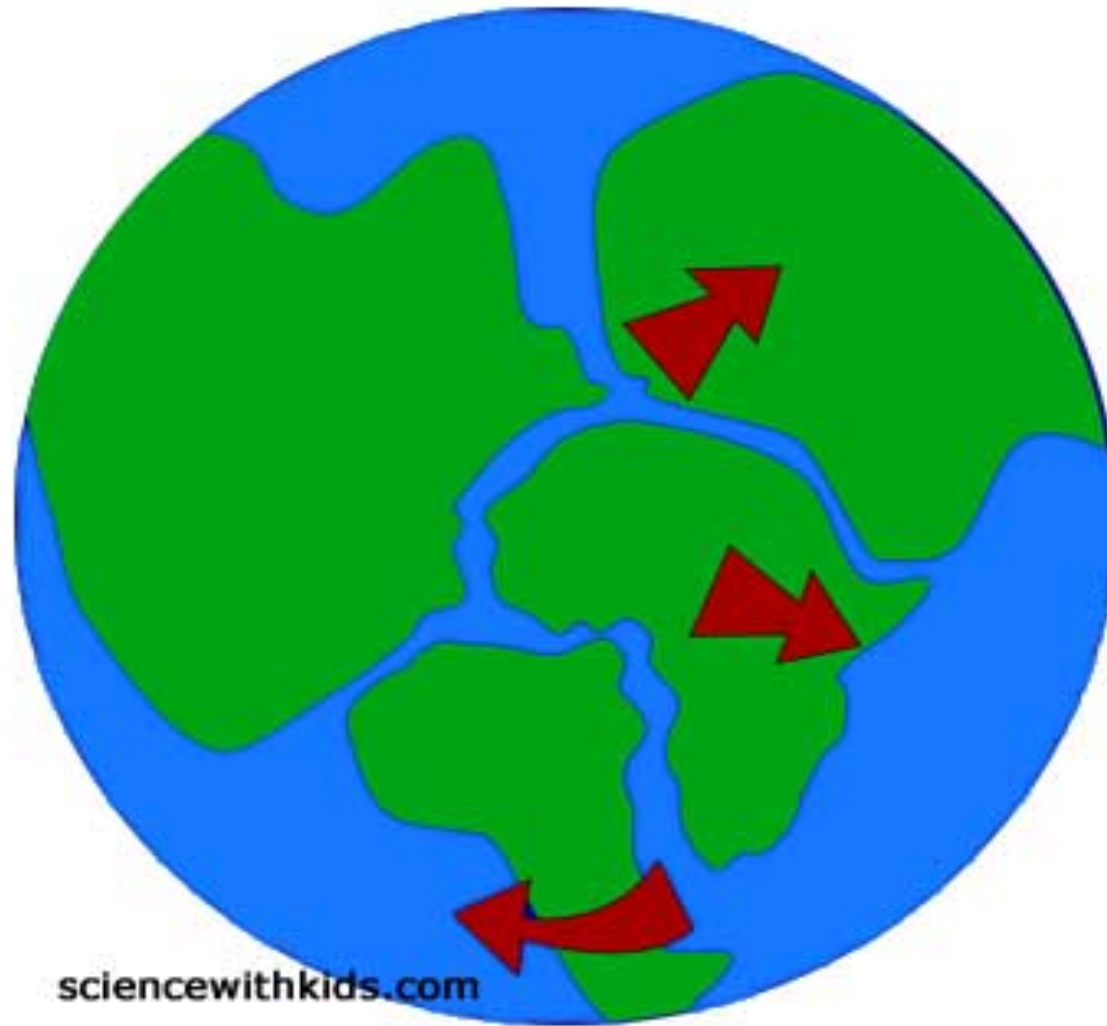


Plate tectonics



EARTHQUAKE



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Requirement **number 1**

- Show me a geologist







Requirement **number 2**

- Recite a text in the Bible talking about rocks or minerals. Tell a Bible story where rocks or stones were used.



Click me

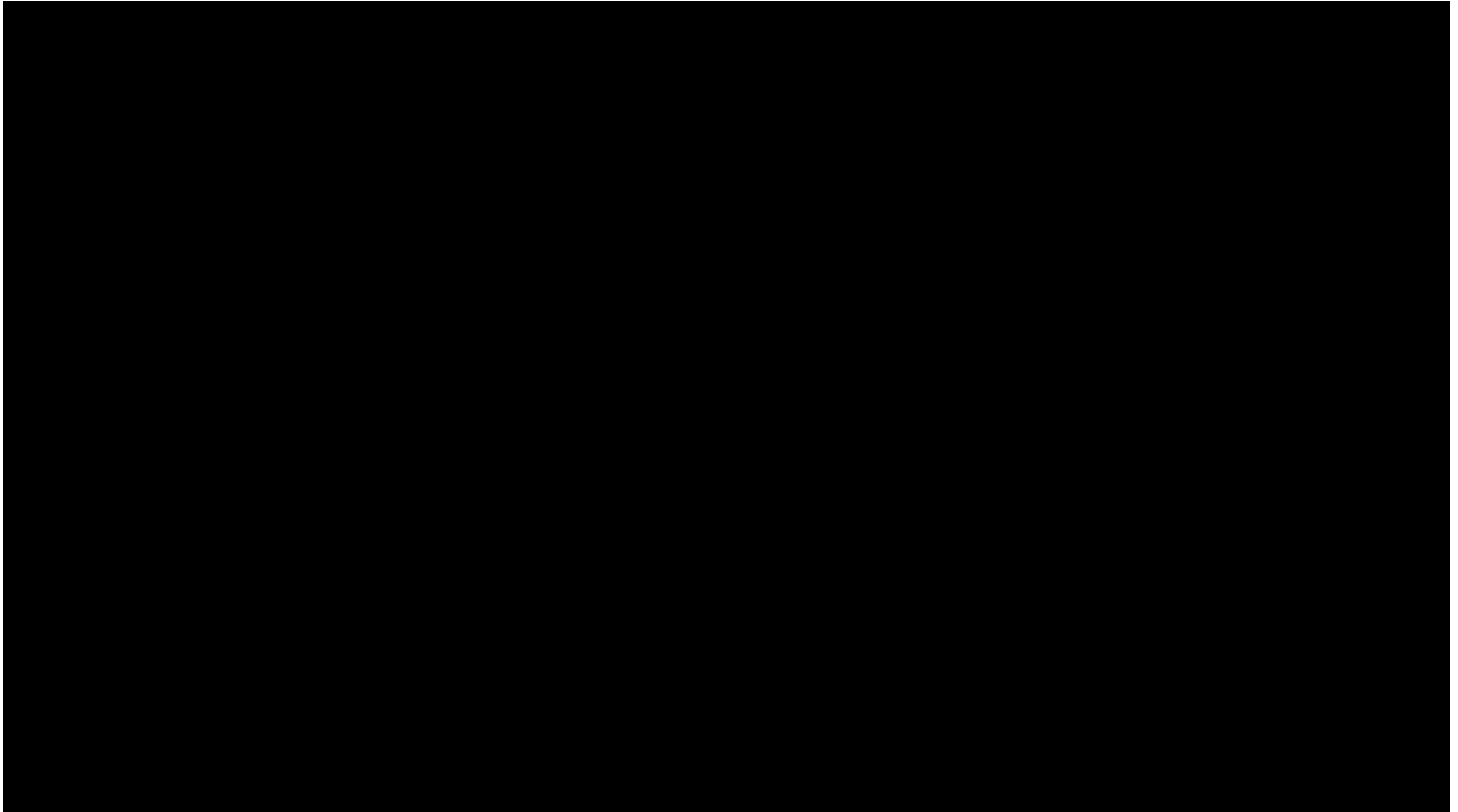
Click me



Exodus 28:10-30

- 17 Then mount four rows of precious stones on it. The first row shall be **carnelian**, **chrysolite** and **beryl**;
- 18 the second row shall be **turquoise**, **lapis lazuli** and **emerald**;
- 19 the third row shall be **jacinth**, **agate** and **amethyst**;
- 20 the fourth row shall be **topaz**, **onyx** and **jasper**.^[a] Mount them in gold filigree settings.
- 21 There are to be twelve stones, one for each of the names of the sons of Israel, each engraved like a seal with the name of one of the twelve tribes.





- 21 Then he spoke to the Israelites: “In the future your children will ask you, ‘What do these rocks mean?’
- 22 Tell them, ‘Israel crossed the Jordan River on dry land.
- [...]
- 24 The LORD did this so all people would know he has great power and so you would always respect the LORD your God.”

Requirement **number 3**

What is sedimentation:

Sedimentation is when particles (of dirt, of rock, of dust) which are freely floating in a solution (like water) fall and rest against a surface. They become deposited.





Put some sediment inside:

- **Rocks**
- **Dirt**
- **Soil**
- Just about anything you can find
(WARNING DO NOT PUT
YOUR PET IN THE JAR)

Fill a jar with water





Light sediment

Heavy sediment

Requirement number 4

Identify and display five different types of rocks.



Requirement **number 4**

Identify and display five different types of rocks.

1.



Marble Stone

2.



Slate Stone

Requirement number 4

Identify and display five different types of rocks.

3.



Rose Quartz

4.



Tiger eye gemstone

Requirement **number 4**

Identify and display five different types of rocks.

5.



Amber gemstone

Create your own virtual rock collection

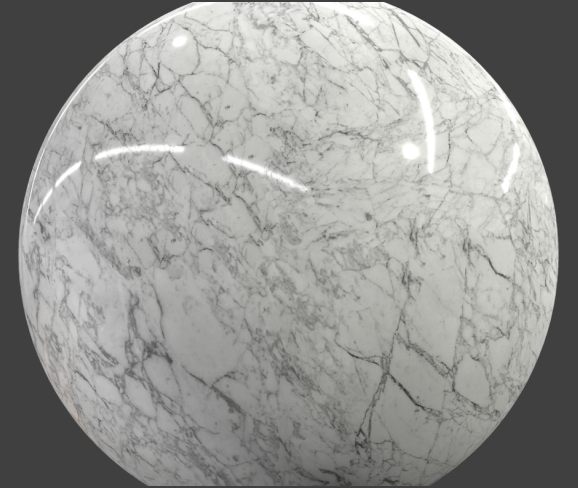
Chose 5 of your precious rocks and make a labelled collection



Rose quartz



Tiger eye gemstone



Marble Stone



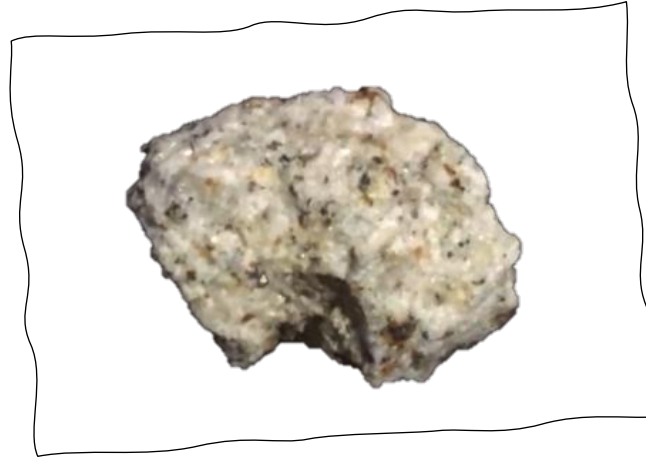
Amber gemstone



Slate stone



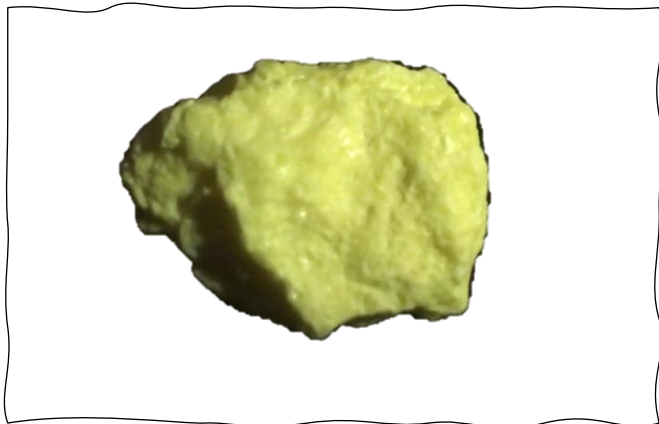
Rose Quartz



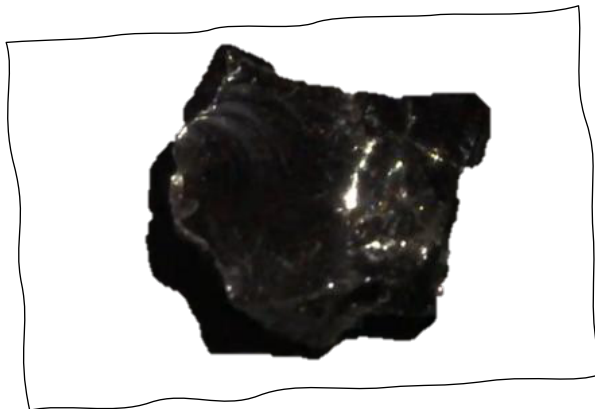
Sandstone



Red Lava



Sulphur mineral



Obsidian

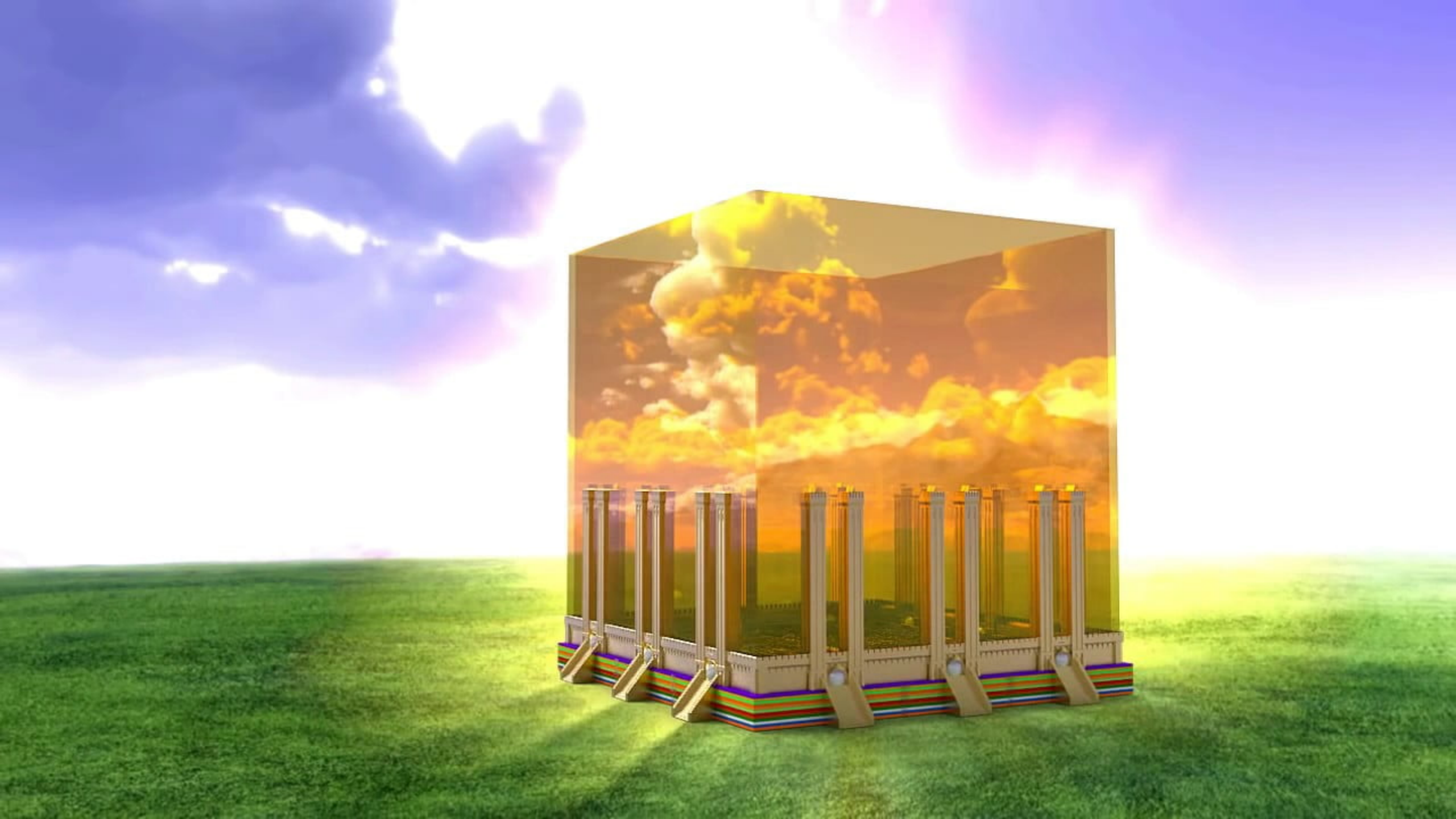


Amethyst

Requirement number 5

Read revelations 21 and make a coloured drawing of the heavenly city.





Quick links

- <https://www.youtube.com/watch?v=FVDU4XnbolI> (Joshua crosses the river video)
- <https://www.youtube.com/watch?v=6ZTHUtWpzM4&t=127s> (New Jerusalem video)



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Thank you for watching