



## MAKE A SEDIMENTARY ROCK (1 of 2)

 30-45 minutes + waiting time + questions and journal time

 Follow all safety instructions from LearnLibre.com during the experiment.

Watch Lesson



### Before the Experiment

Find a safe and appropriate place to do the experiment, get any safety equipment you will need, and gather your materials on a tray.

### Materials

- Equal number pieces of different colored Jolly Ranchers hard candy
- Plastic bag
- Hammer + surface to hammer on
- 2 plastic beakers
- Heavy can

### Procedure

1. Put 1 color of candy into the plastic bag.
2. Hit the candy with the hammer to crush it into small pieces.
3. Pour the candy pieces into a plastic beaker.
4. Repeat steps 1-3 with the other candy colors, pouring one candy color on top of the other.
5. Put the other empty beaker on the top layer of candy.
6. Put a heavy can on top of the beaker, and leave it overnight.
7. Remove the heavy can and the top beaker.
8. Carefully flip the candy beaker onto a flat surface, and gently try to remove the candy from the beaker.

### Questions

1. What did the candy look like when it came out of your beaker?

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### Questions (continued)

2. Which layer of your candy rock is the “oldest”? Which is the “youngest”?
3. Find some photos of rocks that look like the candy did when you took it out of the beaker. What kind of rocks are they?
4. The thing you made looks like a rock, but is it really rock? Explain why you think it is, or isn't.
5. Talk about how this demonstration relates to sedimentation.
6. Extension: Take a look at your 3 Major Types of Rock Nomenclature and Sorting Cards if you haven't already!
  - You can find them at [LearnLibre.com](https://www.learnlibre.com) in the *Layers of the Earth* lesson.



[See answers by scanning the QR code at the top of the 1st page.](#)

### Clean-up

Wash and dry any tools you used, put materials back where you got them from, clean your work station.

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