

Make Your Own Rock! – With Adult Supervision

Materials Needed:

- 2 crayons
- Aluminum foil
- Pencil sharpener/scissors/dull knife
- Book/heavy object
- Bowl
- Boiling water

Any step with a star in front (*) must be done with an adult

Steps:

1. Gather materials and pick 2 crayons - 1 light and 1 dark. Try: pink & blue, yellow & blue, white & black, or red & yellow.



2. Cut out 2 squares of aluminum foil, about the size of a deck of cards.

3. *Shave your crayons! This is best done with an old pencil sharpener or scissors, or can be done with a butter or plastic knife. There should be about 1 spoonful per color. These are your sediments!



4. Take one color of shavings and place them in the middle of one sheet of foil.

5. Add the second color of shavings on top of the first pile.



6. Cover shavings pile with the second piece of foil.



7. *Flatten the shavings using a book or other heavy object. This is the compaction step.



8. Take the top layer of foil off to uncover your shavings. Wow! You made a sedimentary rock! Notice how easily it falls apart, and you can still see your two colors.



9. Keeping all the shavings in the middle, fold up the edges of the foil.



10.*Boil some water and pour into a bowl. Put your foil on top of the water for about 5 seconds or until your shavings just start to melt. Then remove it from the water



11.*Re-cover the shavings with the second piece of foil, and flatten the shavings with a book or heavy object.



12. Uncover the rock. Wow! You made a metamorphic rock! Notice how the colors have not completely mixed, and the rock is more solid than the sedimentary.



13. *Re-fold the edges of the foil and place on top of the water (you may need to add more hot water if it has cooled down). Remove the foil once the two colors turn into one, about 20 seconds later.



14. You now have an igneous rock!

