

# Our Planet Rocks Assignment!



## Your task:

Use the *Comic Life* software to create a comic strip explaining **ONE** of the following processes.

### a. How earthquakes happen

- Where are they located?
- What are the different types of earthquakes? - tectonic, volcanic, collapse, explosion earthquakes
- Vocabulary - tremor, seismic, Richter scale, epicentre, faults, transforming, convergent, subduction, aftershock, P-waves, S-waves, hypocentre, magnitude

### b. Why and how volcanoes erupt

- Where are they located?
- How many different types are there?
- What is a cinder cone volcano?
- What is a composite volcano?
- What is a shield volcano?
- What is a lava dome?
- Vocabulary - lava, magma, active, dormant, extinct, pyroclastic, eruption, subduction, vent

### c. Tectonic plate movement and Continental drift

- What is the evidence that continental drift occurs?
- What is the evidence that continental drift has not occurred?
- What are the different plates of the world?
- Where are these plates located?
- How do the plates move? What causes the plates to move?
- Who is Alfred Wegener?
- Vocabulary - Pangaea, Gondwanaland, subduction zone, mid ocean ridges, seafloor spreading

### d. How fossils are created

- What are the four different fossils?
- What are mould fossils, cast fossils, trace fossils, imprint fossils, true form fossils?
- What are the six ways that organisms can be turned into a fossil?
- Vocabulary - evolution, sedimentary, palaeontology, stromolites, amber, petrification.

You must storyboard your comic strip before you use the laptops to start your assignment (using the planning sheet attached).

Please note: the depth that you explain the process will determine the grade you will achieve. Please make sure you check the marking guide so you know what to include in your comic, as well as the focus questions and vocabulary listed above. Your image selection and storyboarding will form part of your grade for the presentation of your assignment. You are welcome to draw the comic yourself if you prefer, instead of using the *Comic Life* software.

Some useful websites to get you started are:

<http://www.ask.com> - a general search engine where you can simply type in a question and a list of websites with the answers will pop up for you

<http://news.bbc.co.uk/2/hi/science/nature/4126809.stm> - earthquakes

[http://www.windows.ucar.edu/tour/link=earth/interior/volcano\\_formation.html](http://www.windows.ucar.edu/tour/link=earth/interior/volcano_formation.html) - volcanoes

<http://www.ucmp.berkeley.edu/geology/tectonics.html> - plate tectonics

<http://www.historyoftheuniverse.com/condrift.html> - continental drift

Please don't forget to use your class notes and some books from the library to help you.

**PLANNING:**

The grade I am aiming for: \_\_\_\_\_

The types of images I will need to collect:

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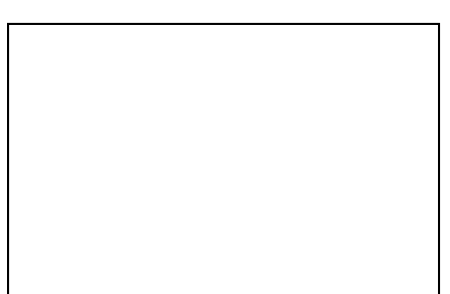
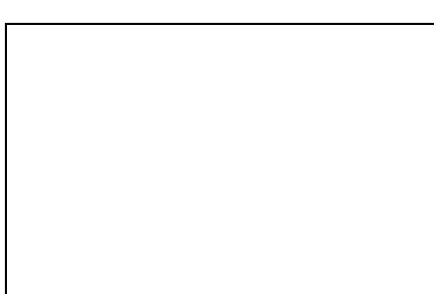
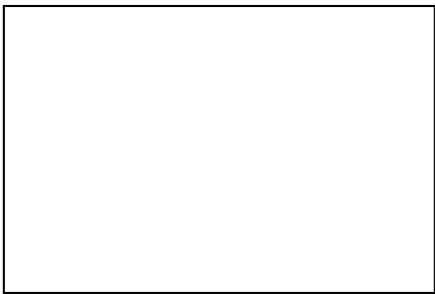
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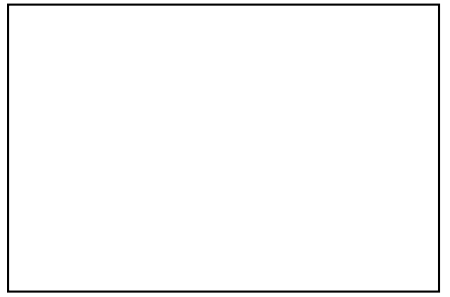
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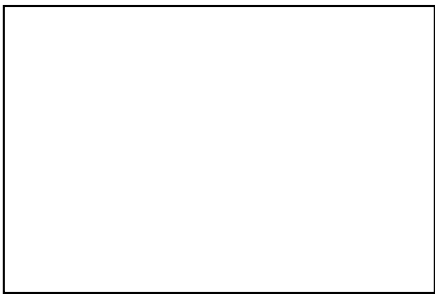
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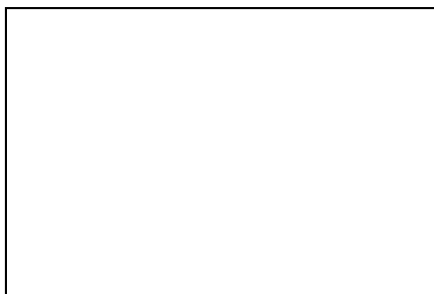
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