

The rock cycle:

1. Describe what would have to happen for any rock to turn into an igneous rock.

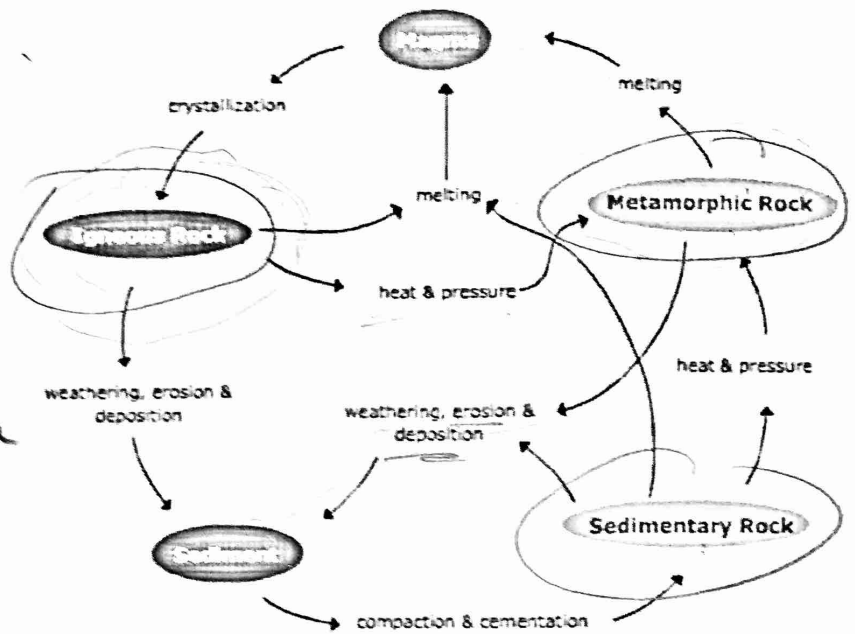
Melt and then cool and solidify.

2. What would need to happen for any rock to turn in to a sedimentary rock?

Crush it into sediment, then compress it.

3. What causes rocks to turn into metamorphic rocks?

Heat it and/or compress it, but don't melt.



The water cycle:

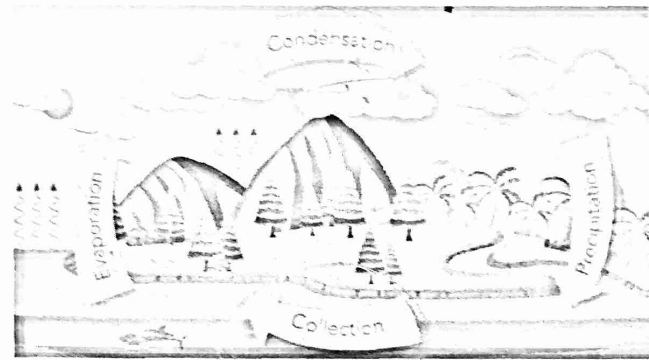
For each of the four parts of the water cycle, explain what is happening to water, and explain why.

4. Evaporation: turning from liquid to gas, because it is heated.

5. Condensation: turning from gas to liquid, because it cools off.

6. Precipitation: falling from sky because water droplets merge to become large enough to fall.

7. Collection: Water flows into rivers, lakes, oceans, and aquifers because of gravity.



Seasons:

8. What are the two causes of seasons?

- a. The Earth's axis tilts
- b. Earth orbits the sun

9. Why is it hotter in the summer and colder during the winter?

- a. Sunlight is more direct in summer
- b. More hours of sunlight in summer

10. Correctly shade the Earth's in the diagram below.

11. Identify each of the following for the Northern Hemisphere:

- The first day of Summer: Summer Solstice
- The first day of Winter: Winter Solstice
- The first day of Spring: Spring equinox
- The first day of Fall: fall equinox

June 21
Dec 22
March 20
Sept 23

12. Label each Earth with the date and the name of the day.

