

Future of Planet Earth Activity

Some helpful websites include:

Wikipedia Conservation Biology, http://en.wikipedia.org/wiki/Conservation_biology

Wikipedia Sustainability, <http://en.wikipedia.org/wiki/Sustainability>

Wikipedia Risk to Civilization, Humans, and Planet Earth,

http://en.wikipedia.org/wiki/Risks_to_civilization,_humans_and_planet_Earth

Wikipedia Future of the Earth, http://en.wikipedia.org/wiki/Future_of_the_Earth

During the semester you learned a lot about your own planet, and the importance of caring for it.

As we know, there are currently no other places in our solar system that could provide us with another home without significant human, economic, energy, and other resources, and none of these could be transformed into new homes quickly or without risk.

For questions 1 and 2 access the NASA Big Questions website <http://science.nasa.gov/earth-science/big-questions/> Answer all of the following using complete sentences.

1. Click on “How is the Global Earth System Changing.” List 3 concepts or ideas you learned.
 - a.
 - b.
 - c.

2. Click on “How Will the Earth System Change in the Future?” List 3 concepts or ideas you learned.
 - a.
 - b.
 - c.

3. Provide 3 reasons why conservation biology is important.
 - a.
 - b.
 - c.

4. Provide 3 reasons why sustainability is important.
 - a.
 - b.
 - c.

5. Scientists have described several risks to civilization. Describe 3 that humans cannot control and explain why we can't control those risks.
 - a.
 - b.
 - c.

6. There are also several risks to civilization that can be caused by humans. Describe 3 that humans can or should be able to control and explain why we can control those risks.
 - a.
 - b.
 - c.

7. How might human influence affect Earth's future?

8. How might changes to Earth's orbit and rotation affect Earth's future?

9. How might plate tectonics affect Earth's future?

10. How might solar evolution affect Earth's future?