**What is Earth Science?**

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| **Chapter 1.1**  1. What is earth science?    2. What is Geology?    3. What are the two divisions of geology? What is the difference?    4. What is Oceanography ?    5. What is Meteorology?    6. What is Astronomy?  **Visit the following website**: <http://www.classzone.com/books/earth_science/terc/content/investigations/es0103/es0103page01.cfm?chapter_no=investigation>    7. Describe earth’s four spheres.  List several examples of features in each sphere.    8. Do you think clouds should be classified as part of the atmosphere, or part of the hydrosphere? Explain why.    9. Go to page 5 of the interactive: Select on of the photos write the location of the photo and which spheres are present in the photo.    10. Go to page 7 of the interactive and explore the population globe. How would you describe the population where you live?    **Branches  of Earth Science**  Now classify the following descriptions according to which branch it involves.  M=Meteorology         A=Astronomy             O=Oceanography      G=Geology     1. \_\_\_\_ The study of volcanoes. 2. \_\_\_\_ The area of earth science that uses telescopes. 3. \_\_\_\_ The study of storm patterns. 4. \_\_\_\_ The study of the movement of stars and planets. 5. \_\_\_\_ Researches the chemical properties of seawater. 6. \_\_\_\_ Identifies rocks and minerals. 7. \_\_\_\_ Investigates human impact on the oceans. 8. \_\_\_\_ Searches for evidence of the beginning of the universe. 9. \_\_\_\_ Searches for oil. 10. \_\_\_\_ Studies climate change. 11. \_\_\_\_ Searches for undiscovered comets and asteroids. 12. \_\_\_\_ Studies how mountains were formed. 13. \_\_\_\_ Studies melting polar ice caps. 14. \_\_\_\_ Researches new life forms found in the oceans. 15. \_\_\_\_ Examines fossils. 16. \_\_\_\_ Studies underwater volcanoes. 17. \_\_\_\_ Learns about the causes of landslides. 18. \_\_\_\_ Predicts earthquake risk. 19. \_\_\_\_ Helps NASA prepare for a lunar mission. 20. \_\_\_\_ Studies sea level rise. |