



CH. 1 INTRO TO EARTH SCIENCE STUDY GUIDE

Vocabulary

1.1 What Is Earth Science?

Earth science, p. 2; geology, p. 2; oceanography, p. 3; meteorology, p. 3; astronomy, p. 3

1.2 A View of Earth

hydrosphere, p. 7; atmosphere, p. 7; geosphere, p. 7; biosphere, p. 7; core, p. 8; mantle, p. 8; crust, p. 8

1.3 Representing Earth's Surface

latitude, p. 11; longitude, p. 11; topographic map, p. 14; contour line, p. 14; contour interval, p. 14

1.4 Earth System Science

1.5 What Is Scientific Inquiry?

hypothesis, p. 23; theory, p. 2

	Never	Sometimes	Usually	Always
I maintained a positive attitude				
I stayed focused and alert during class				
I asked questions when I was confused				
I participated in classroom discussion and answered questions				
I completed and turned in work from class				
I complete and look over my bellringers				
I concentrated on taking good notes to help me review				
I took my notebook home to study for the test				

Reviewing Content

Choose the letter that best answers the question or completes the statement.

- The science that deals with the study of the atmosphere is
 a. oceanography.
☒ b. meteorology.
 c. geology.
 d. astronomy.
- Lines of latitude describe position
☒ a. north or south of the equator.
 b. east or west of the equator.
 c. north or south of the prime meridian.
 d. east or west of the prime meridian.
- The Robinson map projection is considered very useful because
☒ a. all of the continents are the same size.
☒ b. most distances, sizes, and shapes are accurate.
 c. it shows landmasses in three dimensions.
 d. features along latitude lines are accurate.
- Which of the following maps shows the three dimensions of Earth's surface?
☒ a. Mercator projection
☒ b. Topographic
 c. Gnomonic
 d. Conic
- What makes a hypothesis scientifically useful?
☒ a. Many people think it is a good idea.
☒ b. It can be tested.
 c. It contains numerical data.
 d. It applies directly to Earth science.
- On a topographic map, contour lines that are closer together indicate
☒ a. forest.
☒ b. a steeper slope.
 c. a mountain top.
 d. roads.
- The _____ strongly influences the other three "spheres" because without life their makeup and nature would be much different.
 a. Atmosphere
 b. Hydrosphere
☒ c. Geosphere
☒ d. Biosphere
- The science that includes the study of the composition and movements of water, as well as coastal processes, the seafloor, and marine life is _____.
☒ a. Geology
☒ b. Oceanography
 c. Meteorology
 d. Astronomy

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Shasha Hu



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web light is a kind of wave somewhat like ocean waves or sound waves waves carry energy from one place to another but light waves don't need water or air or anything to travel they can move even in empty space unlike sound waves light waves are made of a mixture of electricity and magnetism so they are called electromagnetic waves

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web sep 28 2022 i write down balanced molecular equations for the chemical changes ii write down the number of moles below the formula of each of the reactants and products iii write down the relative masses of the reactants and products with the help of formula below the respective formula these shall be the theoretical amounts of reactants and

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web recall that the molar mass can be determined from a chemical formula and used as a conversion factor we can add that conversion factor as another step in a calculation to make a mole mass calculation where we start with a given number of moles of a substance and calculate the mass of another substance involved in the chemical equation or vice

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web mass 32 g mass 16 g mass 3 2 g 2 for jars d e f use the number of molecules in the circle to determine the number of moles of O_2 in the jar then calculate the mass of the gas in the jar d e f 12 mol O_2 2 mol O_2 6 mol O_2 mass 384 g mass 64 g mass 192 g 3 jars g h and i contain ammonia gas NH_3

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web jul 4 2019 solution from the balanced equation it is known that 1 mol N_2 2 mol NH_3 use the periodic table to look at the atomic weights of the elements and calculate the weights of the reactants and products 1 mol of N_2 28 0 g 2 mol of NH_3 is 34 0 g 34 0 g 17 0 g

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web solution average atomic mass of Li 6 941 amu $\times$ 6 0151 amu $\times$ 7 0160 amu 6 941 1 0009 $\times$ 7 0160 1 0009 $\times$ 0 075 $\times$ 0 075 $\times$ 0 075 corresponds to a natural abundance of 6Li of 7 5 percent the natural abundance of 7Li is $\times$ 0 925 or 92 5 percent 3 7 the unit factor required is 6 022

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web a molar mass Li_2CO_3 2 6 941 g 12 01 g 3 16 00 g 73 89 g b molar mass CS_2 12 01 g 2 32 07 g 76 15 g c molar mass $CHCl_3$ 12 01 g 1 008 g 3 35 45 g 119 37 g d molar mass $C_6H_8O_6$ 6 12 01 g 8 1 008 g 6 16 00 g 176 12 g e molar mass KNO_3 39 10 g 14 01 g 3 16 00 g 101 11 g

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