

Earth Space Science

Chapters 1 & 2 Notes

p 6 Scientific Method - a series of steps used to find answers to problems

- Step 1 Identify the problem
- Step 2 Guess at possible solutions
- Step 3 Research the problem
- Step 4 ~~State~~ State your Hypothesis
- Step 5. Design Your Experiment
- Step 6. Test your Hypothesis by running exp.
- Step 7. Record your data and analyze it
- Step 8. Make your conclusions
- Step 9. Reject, Accept, or Modify hypothesis
- Step 10. Publish / Share your results.

p 7 Hypothesis - educated guess

p 9 Earth Science - it is the study of Earth and its processes

p 10 Variables - factors that can change res experiments

p 10 Independent Variable - it is the variable you control/change

p 10 Dependent Variable - it is the variable you are measuring

p 10 Control - it is the standard to which you compare

p 12 Technology - it is the use of scientific discoveries

p 18 Scientific Theory - an explanation that is supported

~~by~~ by many experiments

p 19 Scientific Law - it is a rule that describes the behavior of something in nature

p 20 Ethics -

p 21 Bias - personal opinion, your set of beliefs

p 30 11-18

E.S.S.

Chapter 2

p34 Atoms

p35 Elements

p36 Protons

p36 Neutrons

p36 Electrons

p37 Atomic Number

p37 mass Number

p37 Isotopes

p40 Compound

p40 Chemical Property

p40 Physical Property

p41 Covalent Bond

p41 Ionic Bond

p41 ions

p42 Metallic Bonds

p42 Hydrogen Bonds

p43 Mixtures

p43 Solutions

p46 Density

p47 Solid

p48 Liquids

p48 Gases

p48 Plasma

p58 11-16