

Ph 101: Fundamentals of Physics
CH 1: Scientific Method & Unit Conversion Worksheet

Scientific Notation:

Express the following numbers in scientific notation:

- a) 543
- b) 20,000,000
- c) 12,000.0
- d) 0.0000230
- e) 0.0012

Scientific Method:

- a) Describe the primary steps of the scientific method.
- b) Who is credited with establishing the scientific method?
- c) What is required for a hypothesis to be "scientific"?
- d) Give an example of both a scientific and non-scientific hypothesis/statement.
- e) Describe how qualitative and quantitative observations are different. Give an example of each.