

Physical Science 303 – Quiz 3

1. Name:
2. What is the main instrument that you will use in Activity 3 today? (2 words)

spring balance (1 point)
3. When you use this device you will measure a distance. What physical quantity will that the distance allow you to know? (1 word)

force or weight (Newtons also accepted (1 point))
4. From your reading of Chapter 1 of Hewitt, what is the penalty for scientific fraud in the science community? (20 words or less)

People will dismiss your ideas and work in the future. You will possibly lose your job and your reputation. Some students said incorrectly that there is no penalty for fraud, since mistakes are common in science and that free inquiry is encouraged. Please be aware that fraud and an error are not the same thing. (1 point)

5. How many significant figures do each of these measurements have?
0.582 cm - 3 sig figs (1/2 point)
0.5820 cm - 4 sig figs (1/2 point)
10.5820 cm - 6 sig figs (1/2 point)
0010.5820 cm - 6 sig figs (1/2 point)
0.00582 cm - 3 sig figs (1/2 point)
6. I will pick-up your quiz when you are finished. Please show me your materials for this class: 3-ring notebook, scientific calculator, ruler (with inches and centimeters), protractor, and graph paper. not graded.