Name PeriodDate
Test 1 Review
1. What's the difference between a scientific hypothesis and a scientific theory?
A scietific hypothesis
A scientific theory
2. What's the difference between an inference and an observation?
An inference
An observation
3. Bonita set up an experiment to test the effect of salt water on the germination of plant seeds.
She used 4 different concentrations of salt water to water seeds in different plant pots, along
with one plant pot she watered with plain water, and counted how many seeds sprouted in each
pot.
a. What is the experimental variable in this experiment?
b. Name two control variables in this experiment.
c. Write a hypothesis for Bonita's experiment using IMP format.
lf
and
then
4. What are the other names for the metric system?
5. What is the metric system unit for mass? length (=distance)?volume?
6. Use your metric conversion tool to convert the following measurements.
a. 6.2km =m b. 45L =mL c. 133mg =g
d. 4,524m =km e. 2,453kg =g f. 175ml =L
g <u></u>
7. Choose from the following conversion factors to make the conversion.
<u>1.6km 1mi 2.54cm 1in 1m 100cm</u>
1mi 1.6km 1in 2.54cm 100cm 1m
a. 4.7km =mi b. 18cm =in
c. 3.3mi =cm
d. 1,245in =km