

Name: _____

Student Assessment
What's Smaller Than a Pygmy Shrew?

Part I: Definitions

Match each word with the correct definition.

- | | |
|------------------|--|
| 1. ____ atom | a. a small "building block" of all animals and plants |
| 2. ____ molecule | b. a particle inside an atom that whirls around nearly at the speed of light |
| 3. ____ cell | c. the part at the center of an atom |
| 4. ____ electron | d. tiny particles that make up protons and neutrons |
| 5. ____ neutron | e. a particle inside an atom that combines with protons to make up the nucleus of an atom |
| 6. ____ nucleus | f. a particle inside an atom that combines with neutrons to make up the nucleus of an atom |
| 7. ____ quarks | g. made of atoms bonded together and is not visible with an optical microscope |

Part II:

Relative Size

Based on what you know, have read, and have discussed, put an "X" in each column that accurately describes each object. One of them has been done for you.

Object	Made of atoms	Smaller than an atom	Can be seen with the naked eye	So small it usually must be seen with a microscope	So small it cannot be seen with a microscope
atom					
bacteria					
cell					
protozoa					
elephant	X		X		
electron					
neutron					
nucleus					
proton					
pygmy shrew					
quark					