

THE MECHANICAL UNIVERSE

Video 49 - The Atom

Name: _____

Class: _____

1. Upon what principle is mechanics based?
2. Bohr's model of the atom resembled what system?
3. Bohr assumed atoms have orbits of what shape?
4. What instruments are used to analyze light spectrums?
5. What atomic particle did Thompson discover?
6. What did Rutherford discover?
7. What force holds atoms together?
8. What did Planck's theory state?
9. Explain how an atom emits or absorbs light:
10. List some of the key attributes of great scientists that cannot be taught.