

ASTR101
Unit 5 Assessment

1. Describe the models of the atom from the time of Democritus up to the Bohr model.
2. What evidence supports the nuclear model of the atom?
3. Describe the Bohr model of the atom.
4. What evidence is there in favor of the Bohr model?
5. Why were scientists so sure at the end of the nineteenth century that light was a wave? What evidence caused scientists in the twentieth century to view light differently?
6. What does it mean to say that an atom is radioactive?
7. List the major divisions of the electromagnetic spectrum. In what ways are the different regions of the spectrum similar? In what ways are they different?
8. What are the three types of spectra and how is each produced?