



Moon, Mars, and ISS



16428 Avenida Florencia, Poway, CA 92064; (858) 487-8149 (phone); (858) 312-1566 (fax); miriam@nu-edu.com

Name _____

Date _____ Period _____ Exercise# _____

Physics: A World in Motion: Atomic Spectra¹ Student Worksheet

1) Where does energy from the Auroras come from? _____

2) What are the three parts found in a neon sign?

(a) _____

(b) _____

(c) _____

3) What is a diffraction grating? _____

4) What two names are given to spectrum with bright lines?

(a) _____

(b) _____

5) What do you call a spectrum that looks like a rainbow? _____

6) What type of spectrum should a filament bulb produce? _____

¹ Physics: A world in Motion: Atomic Spectra. ©1998 United Learning. Discovery Enterprises, LLC.
<<http://www.unitedstreaming.com>>

7) What do Fraunhofer Lines tell us about the sun and other stars?

(a) _____

(b) _____

8) What are the three types of radiation discovered by Rutherford?

(a) _____

(b) _____

(c) _____

9) Why is Rutherford's model called the planetary model? _____

10) Why are neon signs useful? _____

11) How do we know what stars are made of? _____
