	Unit 6J Spectral Compositi	Name:
INMOTION >>>> ob.org/physics-motion	Spectral Composit	Date:
Main Ideas, Key Points, Questions: After watching the video segment, write down key points, main ideas and big questions.	Compare and contra and understand what	est how absorption and emission spectra are created, at the lines on each spectrum represent.
	Notes:	During the video segment, use words, phrases or drawings to take notes.
		st three sentences explaining what you learned. his to someone else, what would I say?"

Unit 6J_Notes and Questions

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Unit 6J Spectral Composition Questions to Consider

Name:

Date:

Answer the following.

1. Define spectral composition in your own words.

2. How does the number of electrons in an element relate to the complexity of the spectral composition?

3. How does an absorption spectrum compare to an emission spectrum?

4. What is the tool called that allows scientists to view the absorption and emission spectra?

5. How do scientists know what stars are composed of, even those that are light years away?

6. How is a star or galaxy moving relative to a telescope if the absorption spectrum is shifted toward the red end of the visible spectrum?

Unit 6J Notes and Questions



Unit 6J Spectral Composition Questions to Consider

Name:

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Answer the following.

7. What is the opposite of a red shift called? How is the star moving relative to the telescope when this occurs?

- 8. Define a quantum of energy in your own words.
- 9. Are the changes in energy greater between lower energy levels or higher energy levels?