

## What You Should Know from “The Doppler Effect”!

### 1.) What is the Doppler Effect?

The Doppler Effect is a wavelength shift that exists as a consequence of relative motion between a source and an observer.

### 2.) How is a wavelength shifted when the source and observer are:

a.) coming toward one another?

b.) going away from one another?

### 3.) When dealing with galaxies other than our own, it has been observed that their light is “red shifted.” What does that mean?

- 7.) What kind of telescope is the Hubble telescope?
- 8.) Be able to ray trace a reflected image?
- 9.) Be able to ray trace a simple convex lens.
- 10.) What is key if a thin film is going to produce color off its surface?
- 11.) Be able to sketch an example of thin film produced interference.