**The Big Bang Theory**

1. If the spectral lines of hydrogen in a star are seen to be shifted toward the blue end of the spectrum, is the star moving toward us or away from us? \_\_\_\_\_\_\_\_\_\_
2. IF you observed that the light from nearly every galaxy was shifted toward the blue end of the spectrum, what could you conclude about the universe?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What would happen to the universe if it was shrinking, and continued to shrink far a very long time?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. The spectral lines of the galaxies that are moving away from us shift toward the \_\_\_\_\_\_\_\_\_\_\_\_\_end of the spectrum.