

Name: _____ Date: _____

Blue Sky and Rainbows Short Answer Questions

1. Why does the human eye “ignore” the small amount of wavelength corresponding to purple in the sky?
2. Why would the color of the sky be a mystery that needs to be explained?
3. Why are wavelengths corresponding to the colors blue and violet scattered the most by gaseous particles in the atmosphere?
4. Would you like to see Earth as the Blue Planet from space yourself? Explain why or why not.
5. Why is a rainbow seen in the sky only after it rains?
6. Why does a rainbow have all the colors of the spectrum when light passing through the atmosphere gives a blue sky?
7. There’s an Irish legend about leprechauns hiding a pot of gold at the end of the rainbow. Do some research and find out where the end of the rainbow really is.