**Unit Two StudyGuide**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Core: \_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

**Vocabulary** *For each vocabulary word, please write the definition, give an example of the word, and draw a picture.*

|  |  |  |
| --- | --- | --- |
| **Word** | **Definition & Example** | **Picture** |
| Wave |  |  |
| Disturbance |  |  |
| Transverse |  |  |
| Wavelength |  |  |
| Longitudinal |  |  |
| Amplitude |  |  |
| Crest |  |  |
| Trough |  |  |
| Frequency |  |  |
| Pitch |  |  |
| Compression |  |  |
| Rarefaction |  |  |
| Volume |  |  |
| EM Spectrum |  |  |
| Visible Light |  |  |
| P Wave |  |  |
| S Wave |  |  |
| Medium |  |  |
| Surface Wave |  |  |
| Melanin |  |  |
| Reflection |  |  |
| Refraction |  |  |
| Absorption |  |  |
| Opaque |  |  |
| Translucent |  |  |
| Transparent |  |  |
| Heat |  |  |
| Temperature |  |  |
| Insulator |  |  |
| Conductor |  |  |
| Convection |  |  |
| Conduction |  |  |
| Radiation |  |  |

-Draw & label an eye diagram.

-Explain how we see an object. (BR)

-What is the difference between heat & temperature?

-Explain how some technology allows us to see at night. (Think: heat)

-How are convection and density related?

-Is cold real? Explain.

-How are translucent and transparent different?

-What are the limitations of sound waves?

- Draw & label a transverse and longitudinal wave:

-How are amplitude and volume related?

-How are pitch and wavelength related?

-How are energy, wavelength, and frequency related?