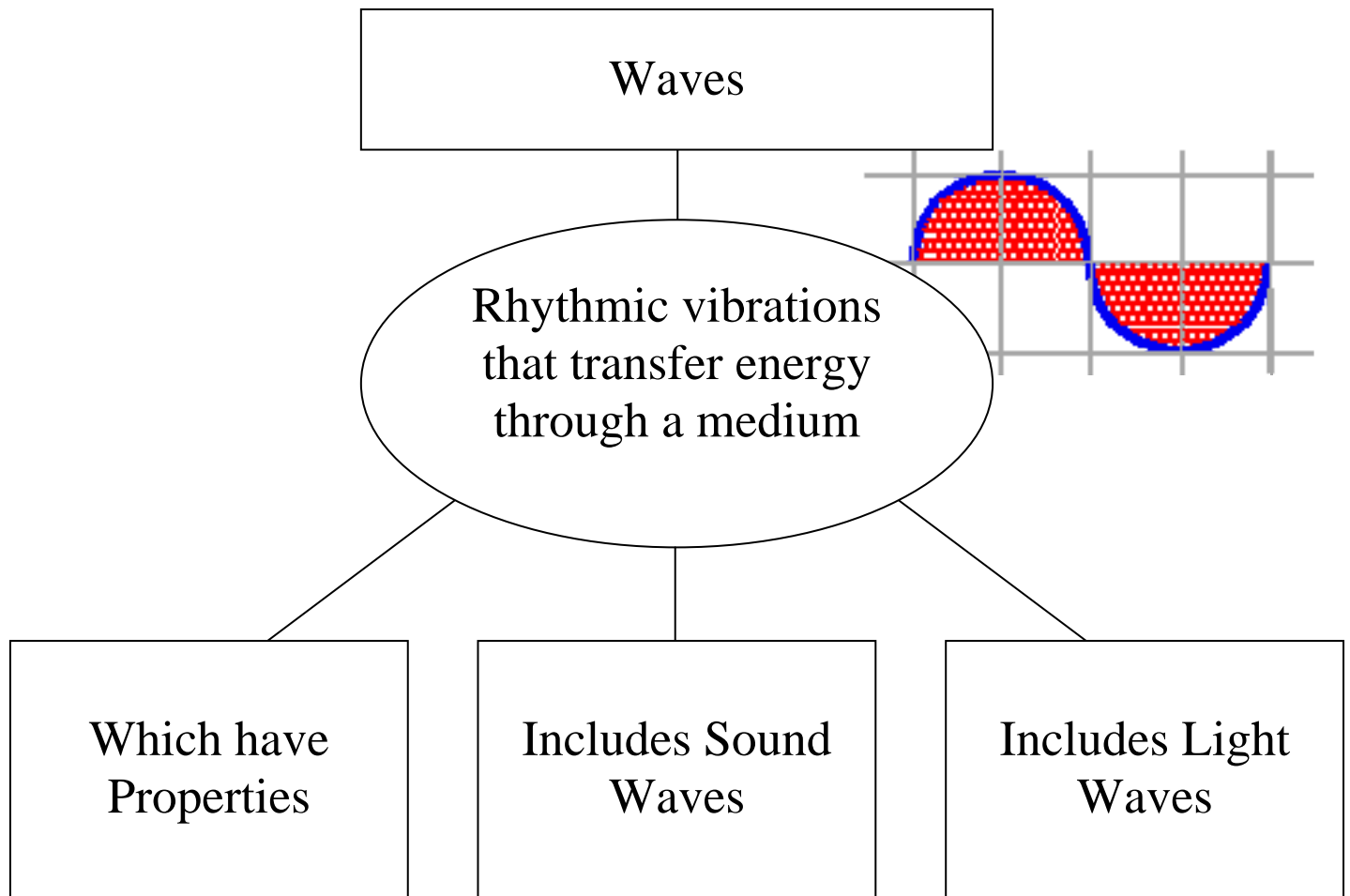


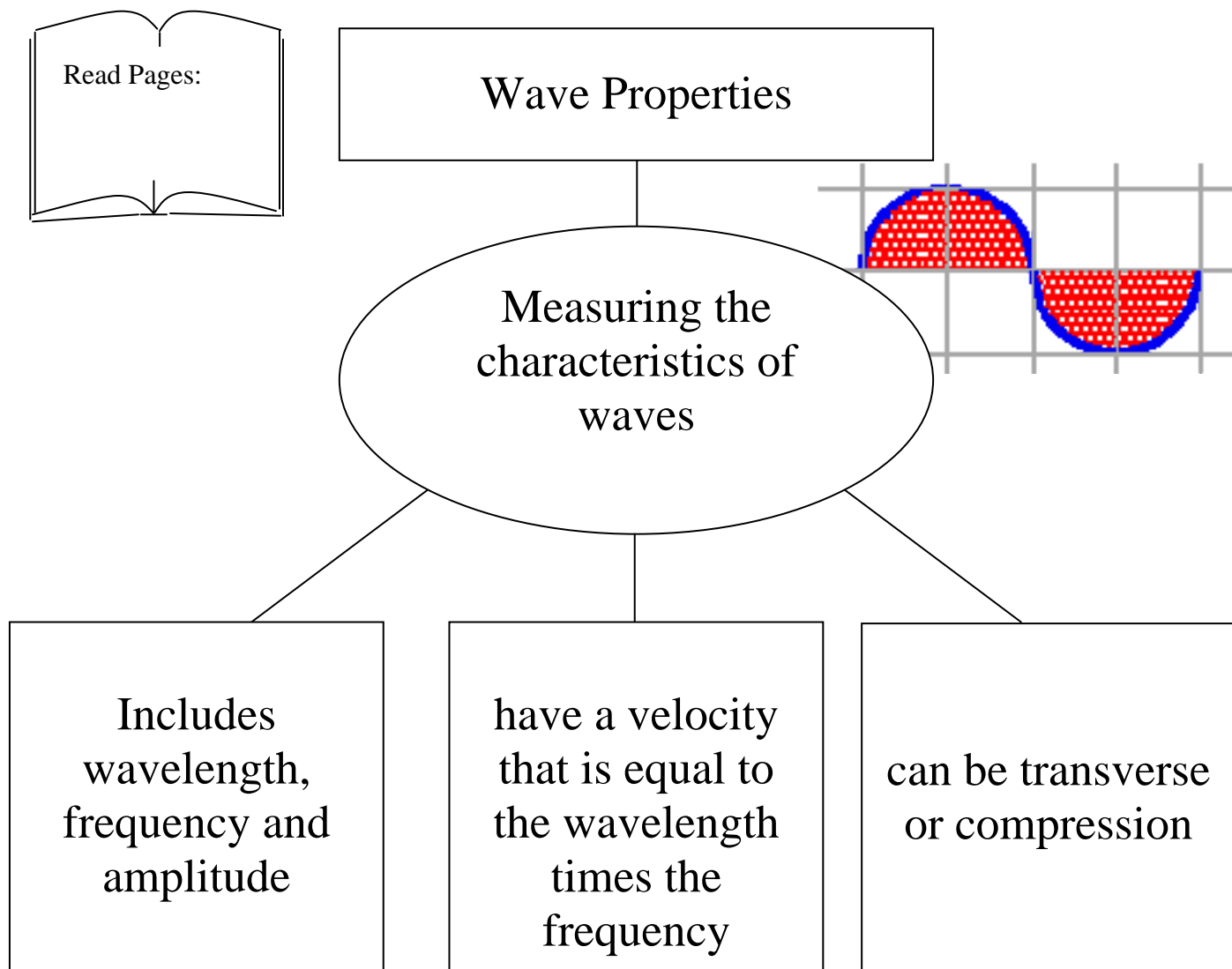
## 8:1 Waves Unit Map



### Key Unit Questions

1. What are the different properties that can be measured about a wave?
2. How do these properties get perceived when hearing sound waves?
3. How do these properties get perceived when seeing light waves?

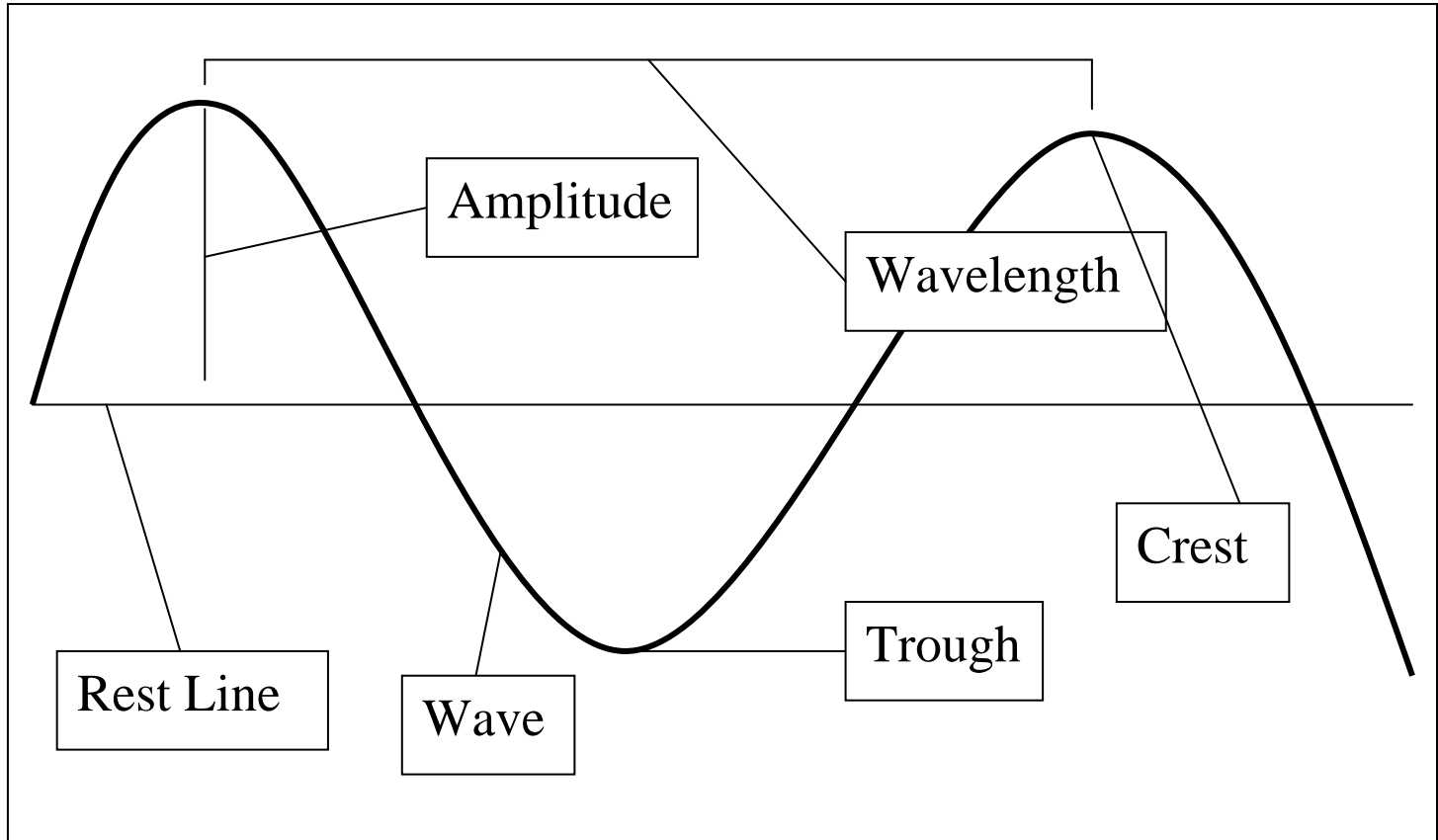
## 8:2 Wave Properties Lesson Diagram



### Key Lesson Questions

1. What are the three properties of a wave?
2. What is the relationship between wavelength, frequency and the velocity of a wave?
3. What units are wavelength and frequency measured in?

## 8:3 Wave Properties



### Wave Parts:

- The medium is the material a wave is passing through.
- The crest is the highest point on a wave.
- The trough is the lowest point in a wave.
- The rest line shows where the medium would be if there were no waves.

### Wave Properties:

- Amplitude is the distance from the rest line to the crest.
- Wavelength is the distance from one crest to the next.
- Frequency is the number of crests that pass a given point in a second.
- Wave Velocity is equal to the wavelength time the frequency.