**KWL Chart Answer Key**

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| What do you know about acoustic mirrors?  (answers will vary)  What do you know about the properties and applications of waves?  (answers will vary)  What do you know about the radius of curvature of an acoustic mirror?  (answers will vary)  What do you know about how to calculate the focal length of a mirror?  (answers will vary)  What do you know about plot spectrums, frequency, sound intensity and acoustic mirrors?  (answers will vary) | What would you like to know about acoustic mirrors?  (answers will vary)  What would like to you know about the properties and applications of waves?  (answers will vary)  What would like to know about the radius of curvature of an acoustic mirror?  (answers will vary)  What would like to know about calculating the focal length of a mirror?  (answers will vary)  What would you like to know about plot spectrums, frequency, sound intensity and acoustic mirrors?  (answers will vary) | What did you learn about acoustic mirrors?  Acoustic mirrors were used by England as early warning devices during World War I.  What did learn about the properties and applications of waves?  An application of waves include acoustic mirrors which were one of the first forms of radar.  What did you learn about the radius of curvature of an acoustic mirror?  It is the distance from the vertex to the center of curvature.  What did you learn about calculating the focal length of a mirror?  The focal length is half the radius curvature.  What did you learn about plot spectrums, frequency, sound intensity and acoustic mirrors?  On a plot spectrum, acoustic mirrors can increase the sound intensity and frequency of sound waves. |