Name _____

The Whirling Sounds of Doppler: How Moving Sources Affect What We Hear

Short Answer

1. Explain how the Doppler effect affects the perceived pitch of a sound when a car approaches an observer.

2. Describe a real-life application of the Doppler effect in medical technology.

3. Provide an example of a situation where the Doppler effect is used to measure the speed of objects.

4. How does the Doppler effect help astronomers study the motion of celestial objects?

5. What factors are involved in calculating the observed frequency using the Doppler formula?