

OPEN RESPONSE: #3 Waves

Rita and John stand at opposite ends of a long section of steel track from an abandoned railroad line. Rita places a penny on her end of the track. John then strikes his end of the track with a rock.

- a. Describe what Rita sees happen to the penny on the track and explain her observation.

Rita puts her ear on the track. John strikes his end of the track with the rock again.

- b. Describe the difference in speed between the sound Rita hears in the air and the sound she hears through the track.
- c. With the rock, John strikes his end of the track harder than before. Identify which sound wave property he has changed.