

“SOUND MEDIUMS”

Student Organizer

1. Describe the sound of a ruler striking a hanger held in the air.
2. Describe the sound of a ruler striking a hanger suspended on a four foot length of string, as heard through the ends of that string placed in the ears. Is it louder or softer than the sound made by the hanger held by hand and passing through air? What can you deduce from this?
3. Describe the sound of a ruler striking a hanger suspended on a four foot length of yarn, as heard through the ends of that yarn placed in the ears. Is it louder or softer than with the string? What can you deduce from this?
4. Describe the sound of a ruler striking a hanger suspended on a four foot length of wire as heard through the ends of that wire placed (carefully!) in the ears. Is it louder or softer than with the yarn? What can you deduce from this?
5. Describe the sound of a ruler striking a hanger suspended on a six foot length of wire as heard through the ends of that wire placed (carefully!) in the ears? Is it louder or softer than with a four foot length? What can you deduce from this?