Think about what you have learned. Answer the questions below based on what you have just read.

Why can you hear someone who is in another room?
You can hear someone in another room because sound travels. Unlike light, sound can
travel through the walls, so even without a door or window, the sound will travel through.
Why do we hear echoes?
Sound can be reflected. This means that sound bounces off of things. When it bounces
off something it travels back towards the source of the sound. An echo is a reflected
sound.
In a recording studio the walls are covered in bumpy foam. Why would
they do this?
Sound can be absorbed. This means that sound will not bounce of some things. Foam
is a material that does not allow sound to bounce off of it. Also, the bumps cause the
sound that is reflected to reflect sideways, back into the foam, where more of it will be
absorbed.
Name multiple objects we have that allow us to increase the volume of a
sound.
Ex. Microphone, speakers, megaphone, etc.
Explain why we can hear sounds better in air than we can underwater.
Sound is caused by vibrations. Air is a gas and water is a liquid. Gases are very thin in
comparison to liquids, so when a sound travels through air is vibrates the air very easily
Without much distortion (changes). When a sound travels through a liquid it has to move
though a thicker substance. This means that the sound has more difficulty causing the