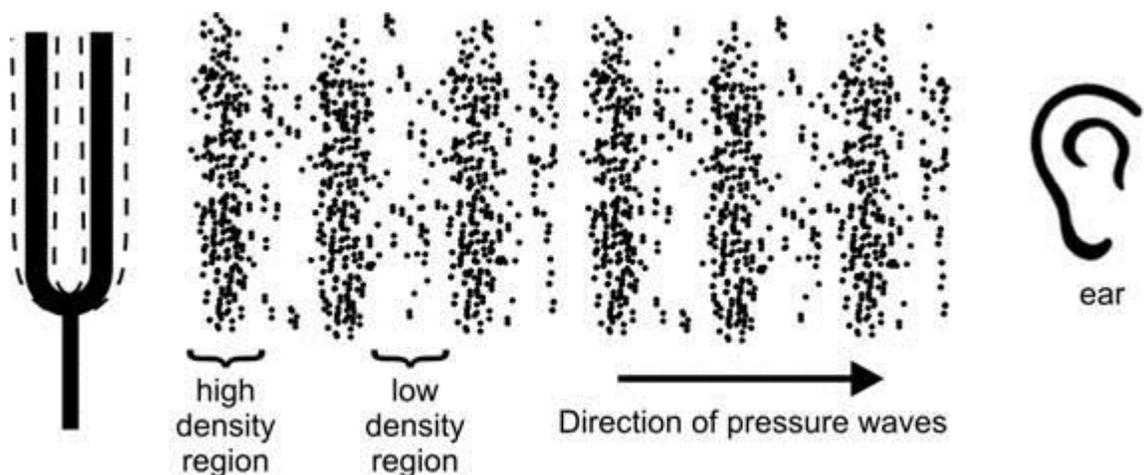


## Tuning Forks

1. Place a pinch of salt on the Saran Wrap that is on top of the cup.
2. Use the mallet to tap on the tuning fork.
3. Place the tuning fork near the salt, NOT on the salt.
4. Describe what happens to the salt and explain why this is happening.
5. Draw a picture to represent your answer to number 4.
6. Explain how this model of the cup and plastic wrap represents an ear drum.
7. Tap on the tuning fork again and place it near your ear. Move it back and forth and describe what happens to the sound as you move it back and forth.
8. Tap on the tuning fork again and touch it. Describe how it feels to your finger.
9. Tap on a small tuning fork and a large tuning fork. Explain which one has a higher frequency or a higher pitch.
10. Draw a picture which illustrates your comparison of the two tuning forks and draw a representative longitudinal and transverse wave under each tuning fork.



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