

Animation Worksheet: Coolant Refractometer

Name: _____ **Date:** _____

1. A coolant refractometer is a tool used to measure the _____ and the _____ point of engine coolant.
2. This tool works by measuring how light _____ as it passes through the coolant liquid.
3. If a coolant is more _____, it will cause a greater refraction of light.
4. The three main parts of the refractometer are the _____, the _____, and the cover plate.
5. Before testing, you must ensure the tool is clean and _____. If it needs cleaning, you should use _____ water.
6. To perform the test, you should place _____ drops of coolant onto the glass prism.
7. You must close the cover _____ to make sure the coolant spreads across the surface evenly.
8. To see the internal scale, you should point the refractometer toward a _____.
9. When looking through the eyepiece, the line between the _____ and _____ areas indicates the freezing point.
10. After the test is finished, wipe the prism with a clean, soft cloth and store the tool in a _____ place.