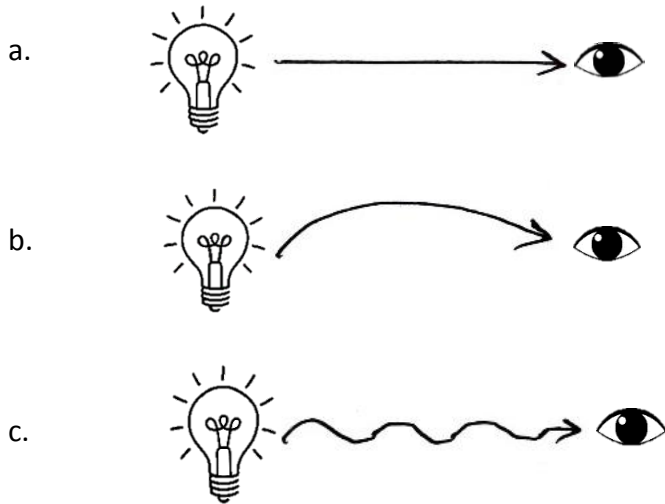
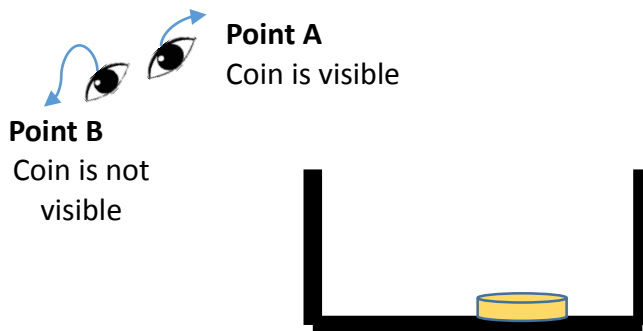


Name: _____
 Grade: _____
 School: _____

1. Which of the following path does light take to travel?



2. Draw the path of light according to your observations

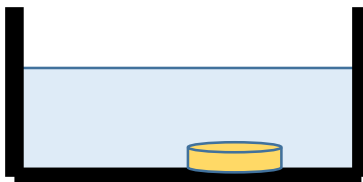
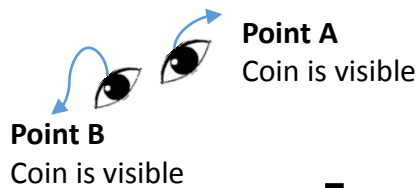


3. How does the depth of the container appear when the bowl was filled with water?
 Tick one of the options below based on your observations.

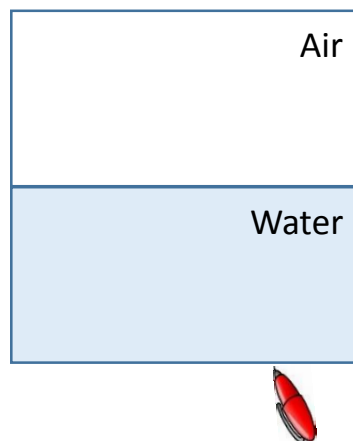
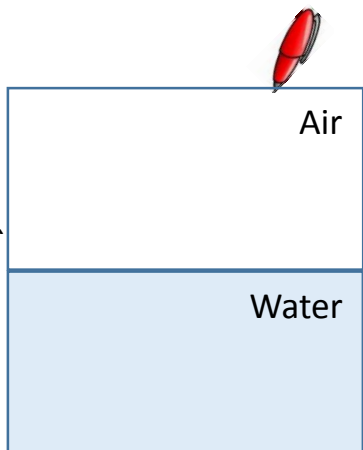
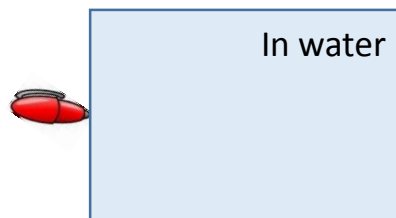
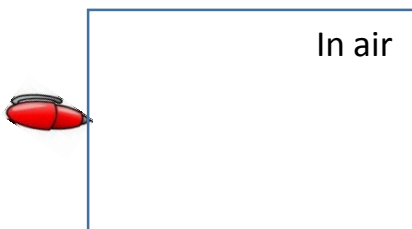
- a. appears shallower b. appears deeper c. remained same

4. A) Write down the reason for the reappearance of the coin after water was poured into the container.

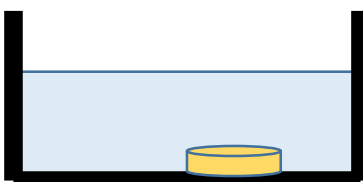
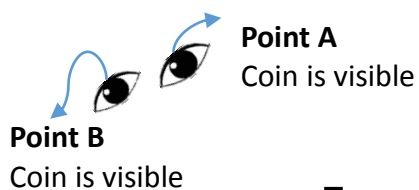
4. B) Draw the path of light that makes the coin visible at Point B



5. Record your observations on the path of the laser beam:



6. A) Draw the path of light that makes the coin visible at Point B

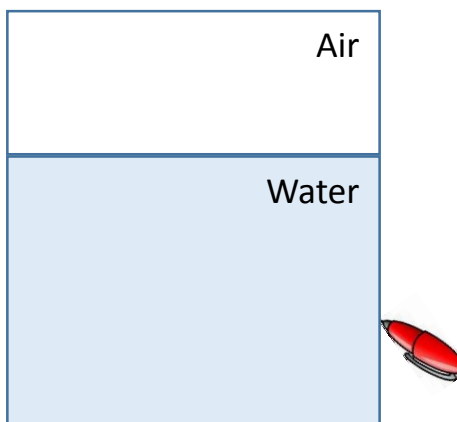


6. B) Write down the reason for the reappearance of the coin after water is poured into the container.

7. Why did the coin disappear after water was poured into the tumbler? Write down the reasons for the same.



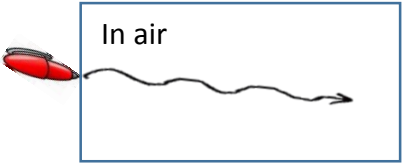
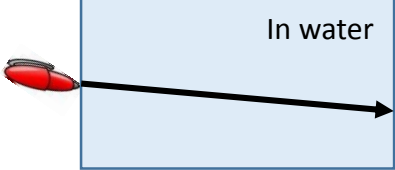
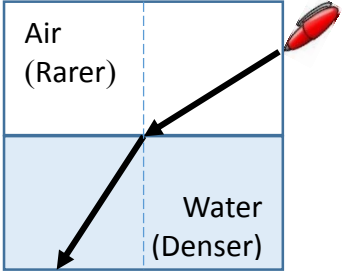
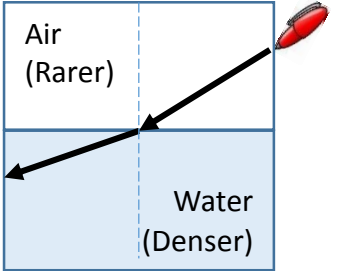
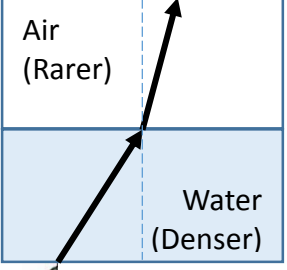
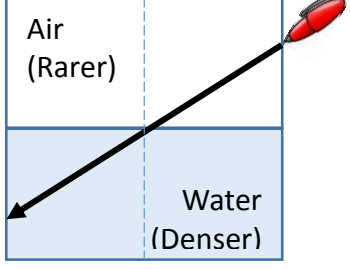
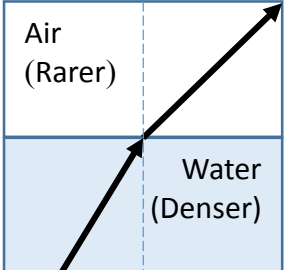
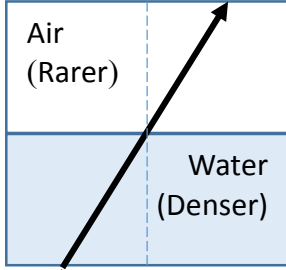
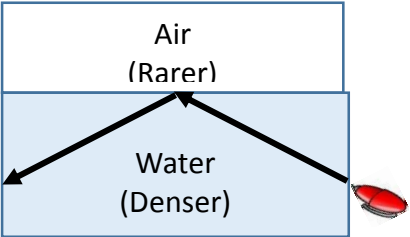
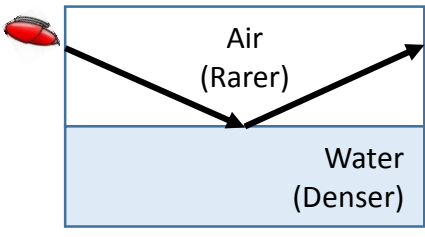
8. Trace the path of light when a laser beam is flashed from the position as shown



9. Why did the coin disappear after water was poured into the tumbler? Write down the reasons for the same.



10. Mark which of the following scenarios are correct or wrong in the space provided.

 <p style="text-align: center;">In air</p> <p style="text-align: center;"><input type="checkbox"/></p>	 <p style="text-align: center;">In water</p> <p style="text-align: center;"><input type="checkbox"/></p>
 <p style="text-align: center;"><input type="checkbox"/></p>	 <p style="text-align: center;"><input type="checkbox"/></p>
 <p style="text-align: center;"><input type="checkbox"/></p>	 <p style="text-align: center;"><input type="checkbox"/></p>
 <p style="text-align: center;"><input type="checkbox"/></p>	 <p style="text-align: center;"><input type="checkbox"/></p>
 <p style="text-align: center;"><input type="checkbox"/></p>	 <p style="text-align: center;"><input type="checkbox"/></p>