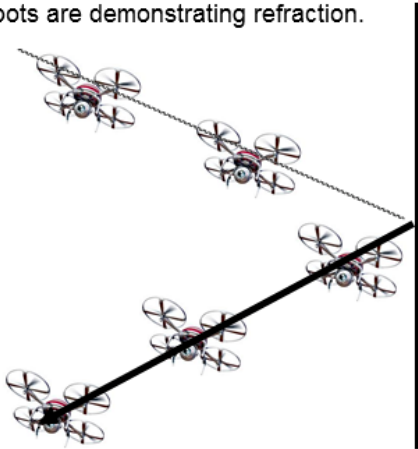


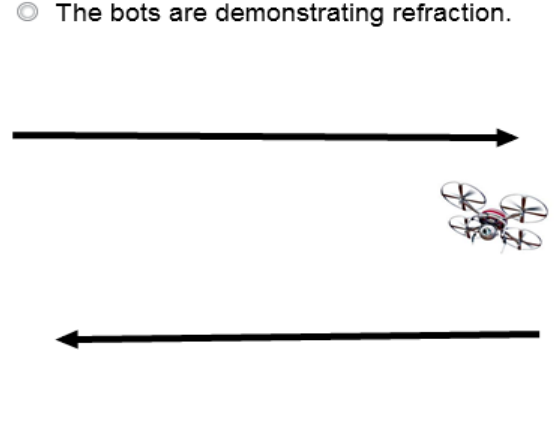
Are these bots demonstrating reflection or refraction.

- The bots are demonstrating reflection.
- The bots are demonstrating refraction.



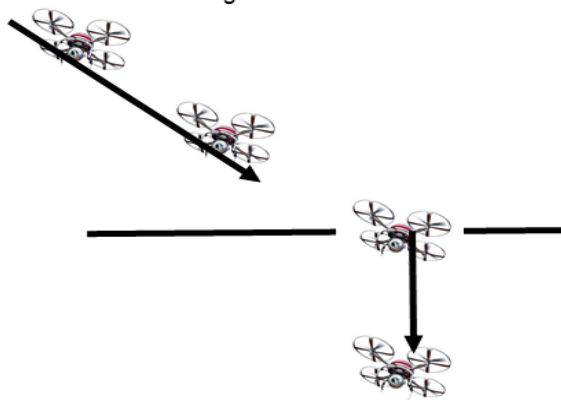
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- The bots are demonstrating reflection.
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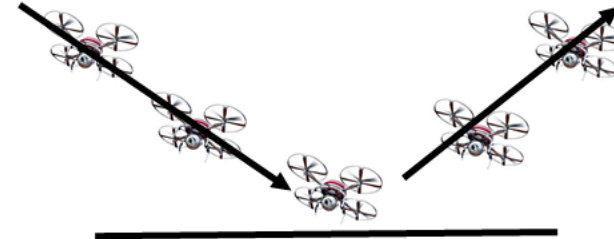
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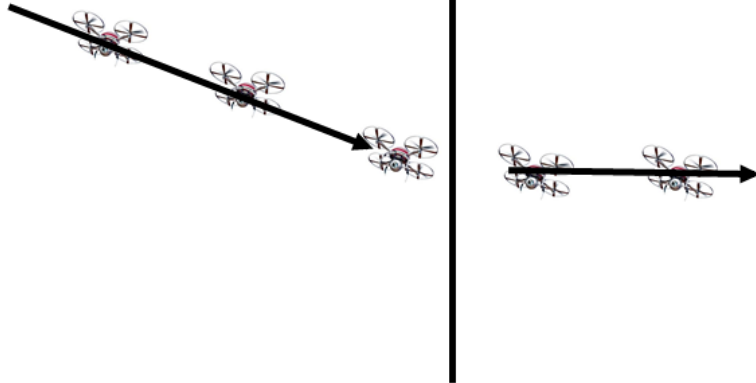
Are these bots demonstrating reflection or refraction.

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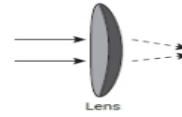


Are these bots demonstrating reflection or refraction.

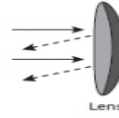
- The bots are demonstrating reflection.
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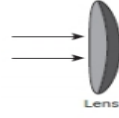
A



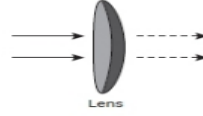
B



C



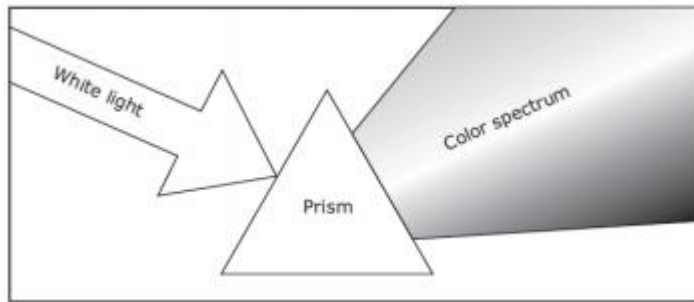
D



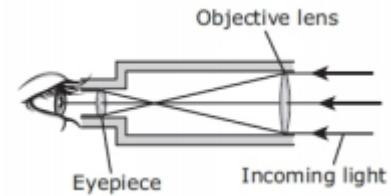
The arrows represent light moving. Find the diagram that represents refraction and justify your answer in complete sentences.

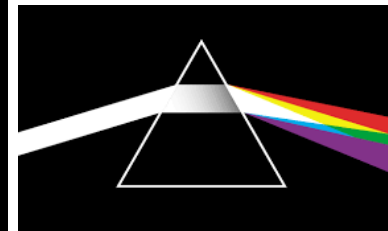
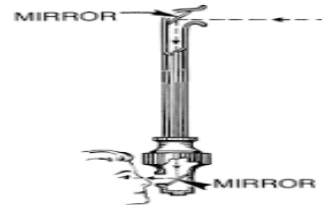
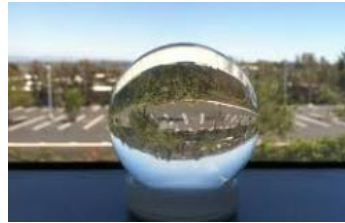
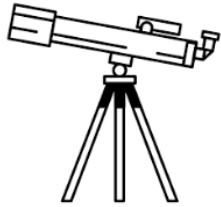
I know that diagram _____ represents refraction because _____.

Explain what is happening in this diagram.



This diagram is of the inside of a telescope. A telescope helps us see objects that are far away. Use your knowledge of light to help us understand how a telescope works. Does it use reflection or refraction.?





Sort the characteristics into the following two categories.

What are the characteristics of objects that reflect light?	What are the characteristics of objects that refract light?

Steps to sort reflection/refraction characteristics and pictures

1. Think about the definition of reflection or refraction.
2. Look at the characteristics or pictures.
3. Ask yourself; what characteristic or picture might go with what I know about (refraction/ reflection)?
4. Say; I know that _____ is associated with (reflection/ refraction) because _____.
5. Place the characteristic or picture in the T chart.
6. Complete the process until all the characteristics or pictures are sorted. Add any additional characteristics you can think of.

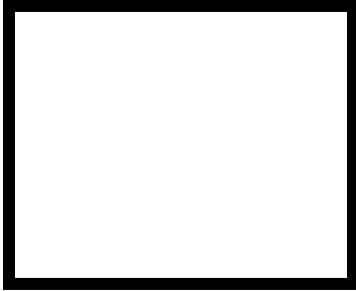
-----cut here-----

Bends Light	Does not travel through a medium	Objects look bigger	Light Bounces
Objects look smaller	Can see the same object	Smooth shiny surfaces	Objects look the same
Travels through a medium	Mirror image	White light becomes color	Light rays slow down

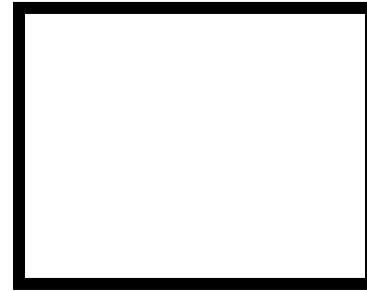
Sort the pictures into the following two categories based on what you think they represent.

Reflection	Refraction

Draw a picture that represents reflection and explain your answer in complete sentences.



Draw a picture that represents refraction and explain your answer in complete sentences.



Create your own definition of the following words.

Reflection

Refraction
