Name _____ Date _____ Period _____

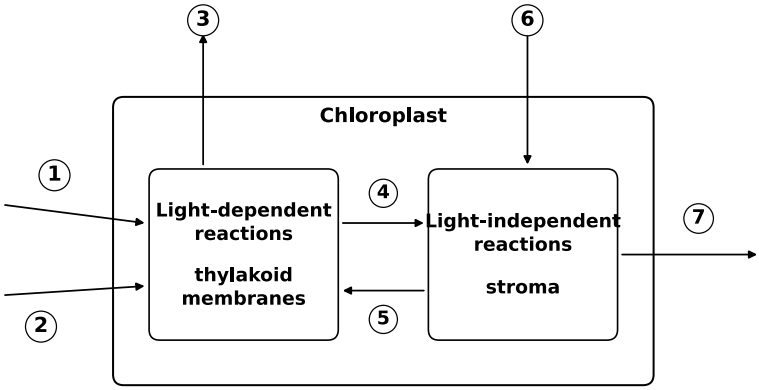
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Stages of Photosynthesis

Biology

Answer in complete sentences. Use the model and the graph as evidence.

1. The model shows the two stages of photosynthesis. Name what moves along arrows 1, 3, 4, and 6.



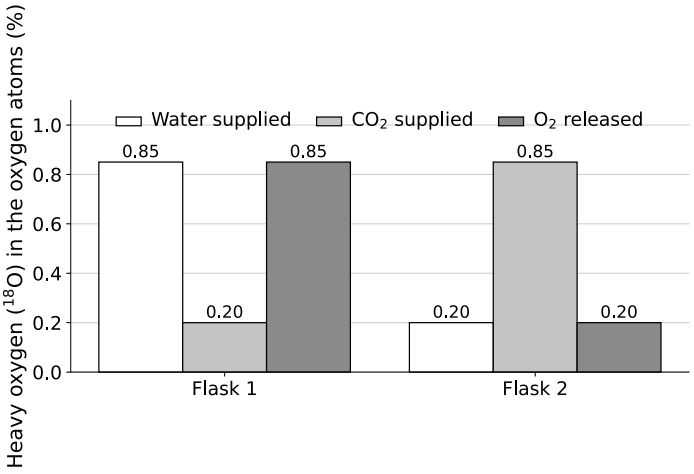
Arrow	What moves along it?
1	
3	
4	
6	

2. Complete the table to compare the two stages.

	Light-dependent reactions	Light-independent reactions
Location in the chloroplast		
Main inputs		
Main outputs		

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3. Scientists gave algae water or CO_2 made with heavy oxygen (^{18}O) and measured the O_2 released (sample data).



(a) In which flask was the heavy oxygen in the O_2 released? What was supplied in that flask?

(b) What conclusion can you draw about the source of the O_2?

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