

STUDENT NAME _____



State of Texas Assessments of Academic Readiness

GRADE 8
Science
STAAR Alternate 2

Administered April 2023

RELEASED

SCIENCE



2a



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2b



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3a



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- leaves change colors
- trees lose their leaves

- new plant growth
- flowers bloom

- fresh snow
- rainiest time of year

summer

fall

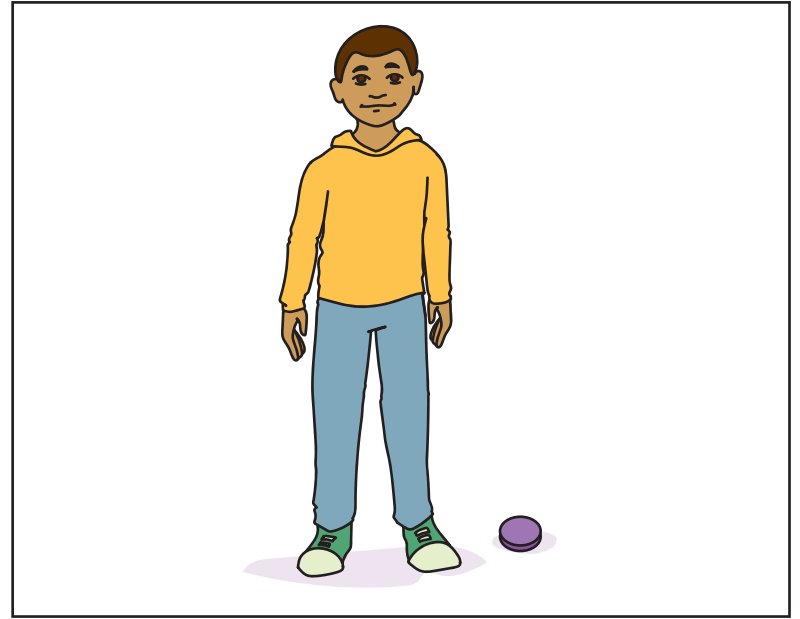
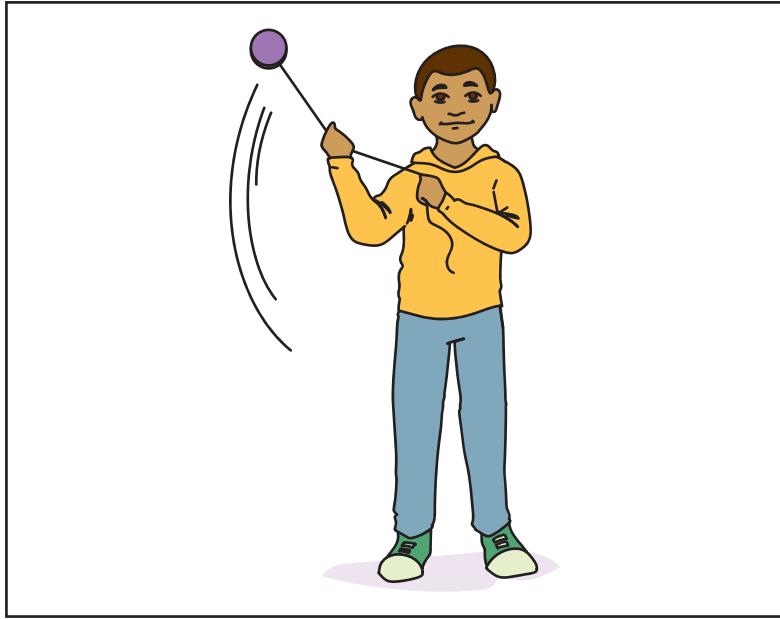
winter



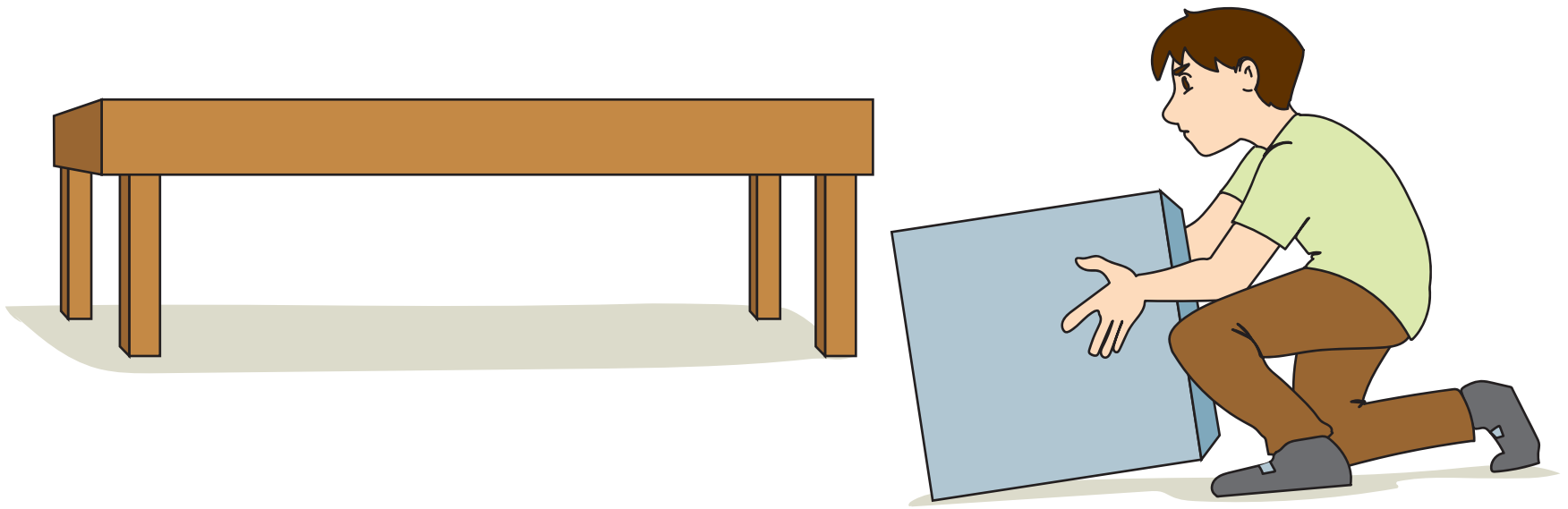
6a



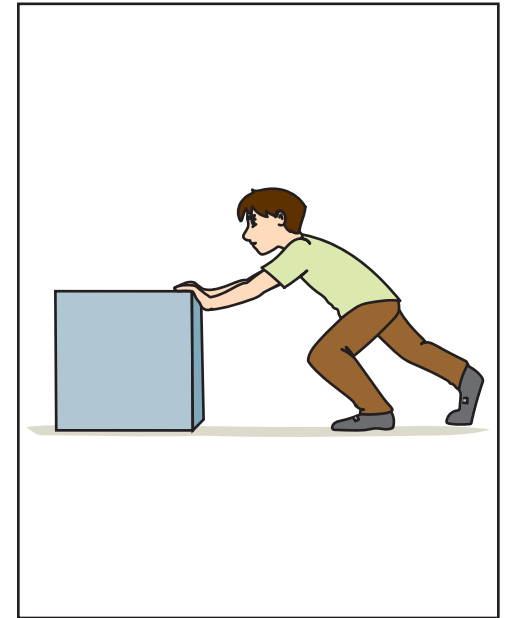
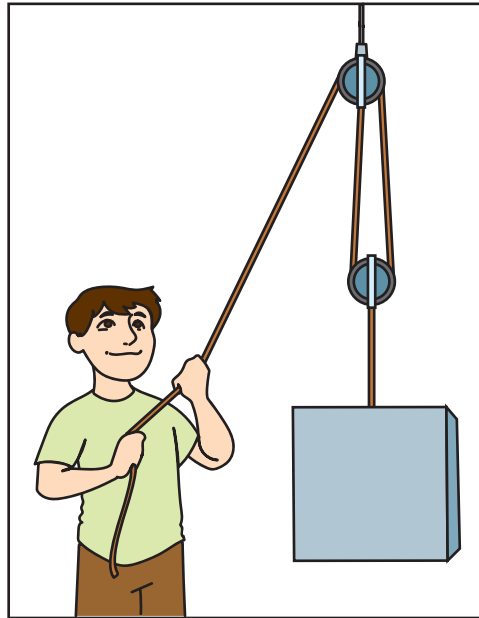
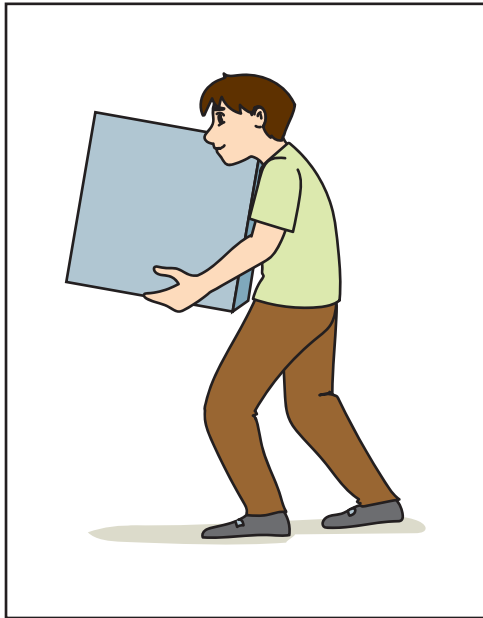
6b



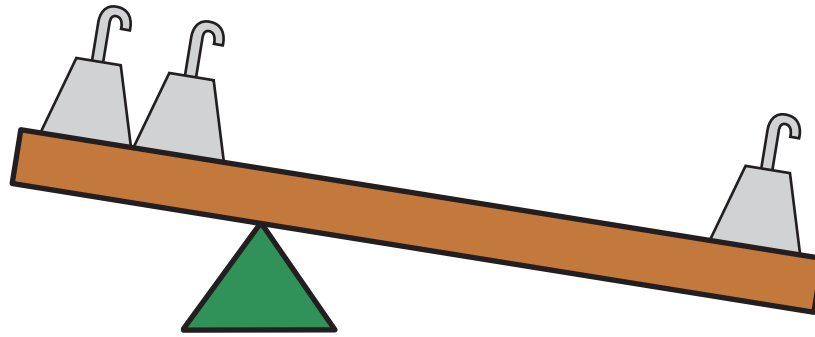
7a



7b



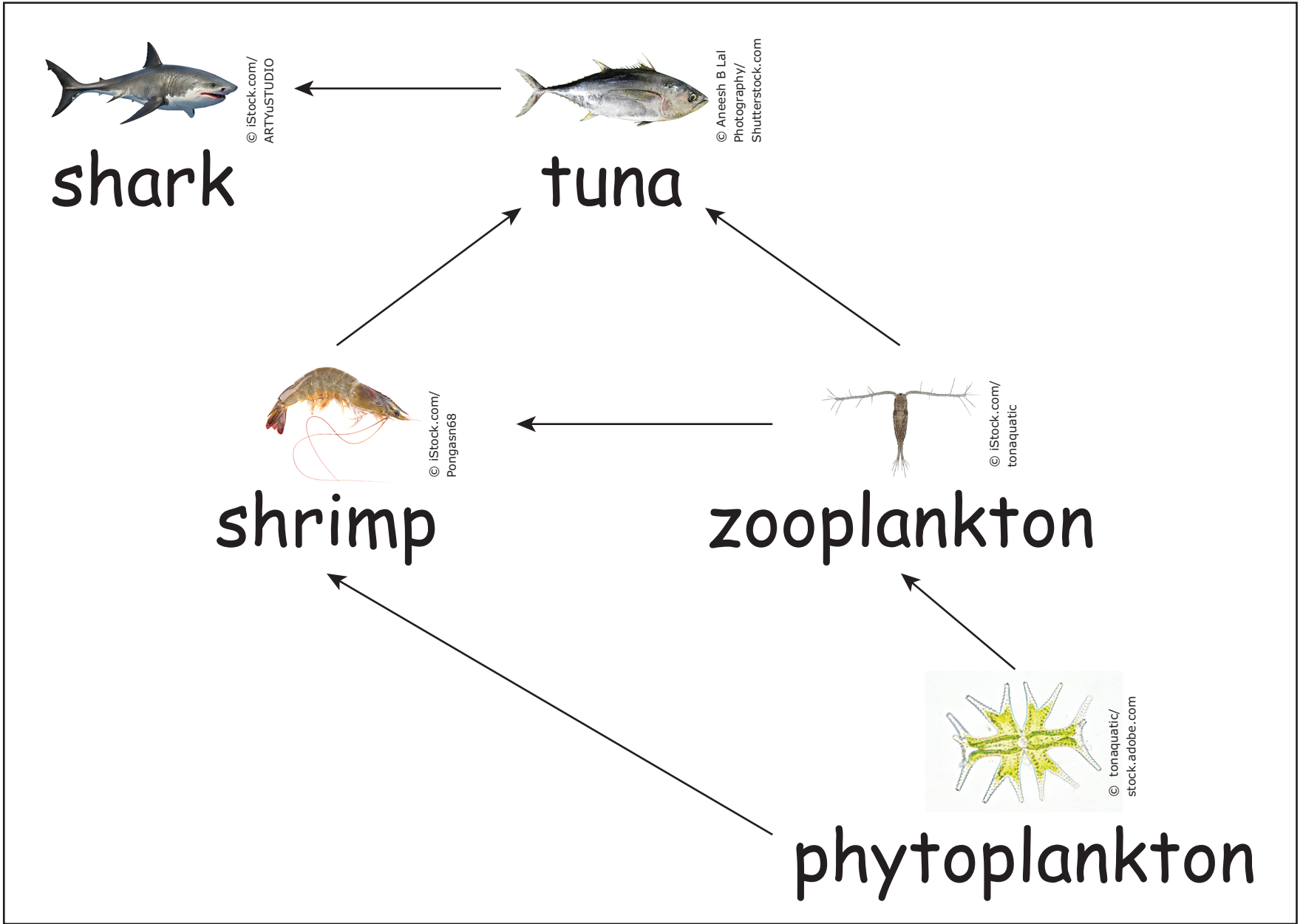
8a



The single weight is heavier than the pair of weights.

Sliding the single weight closer to the pair of weights makes lifting the pair of weights easier.

Moving the triangle closer to the pair of weights reduces the amount of force needed for the lever to lift them.



Gulf of Mexico Food Web



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shark



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tuna



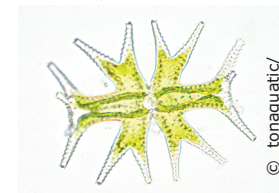
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PongasN68

shrimp



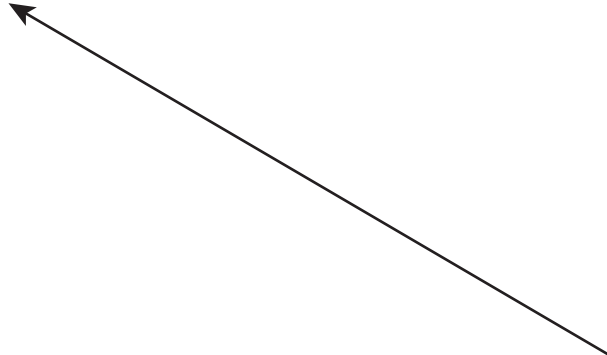
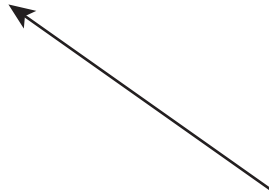
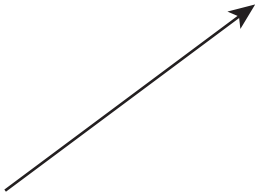
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zooplankton



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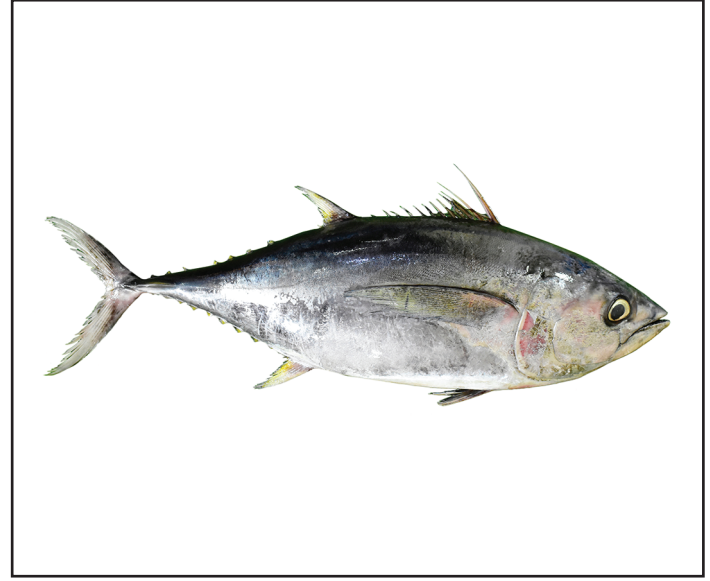
phytoplankton



10b

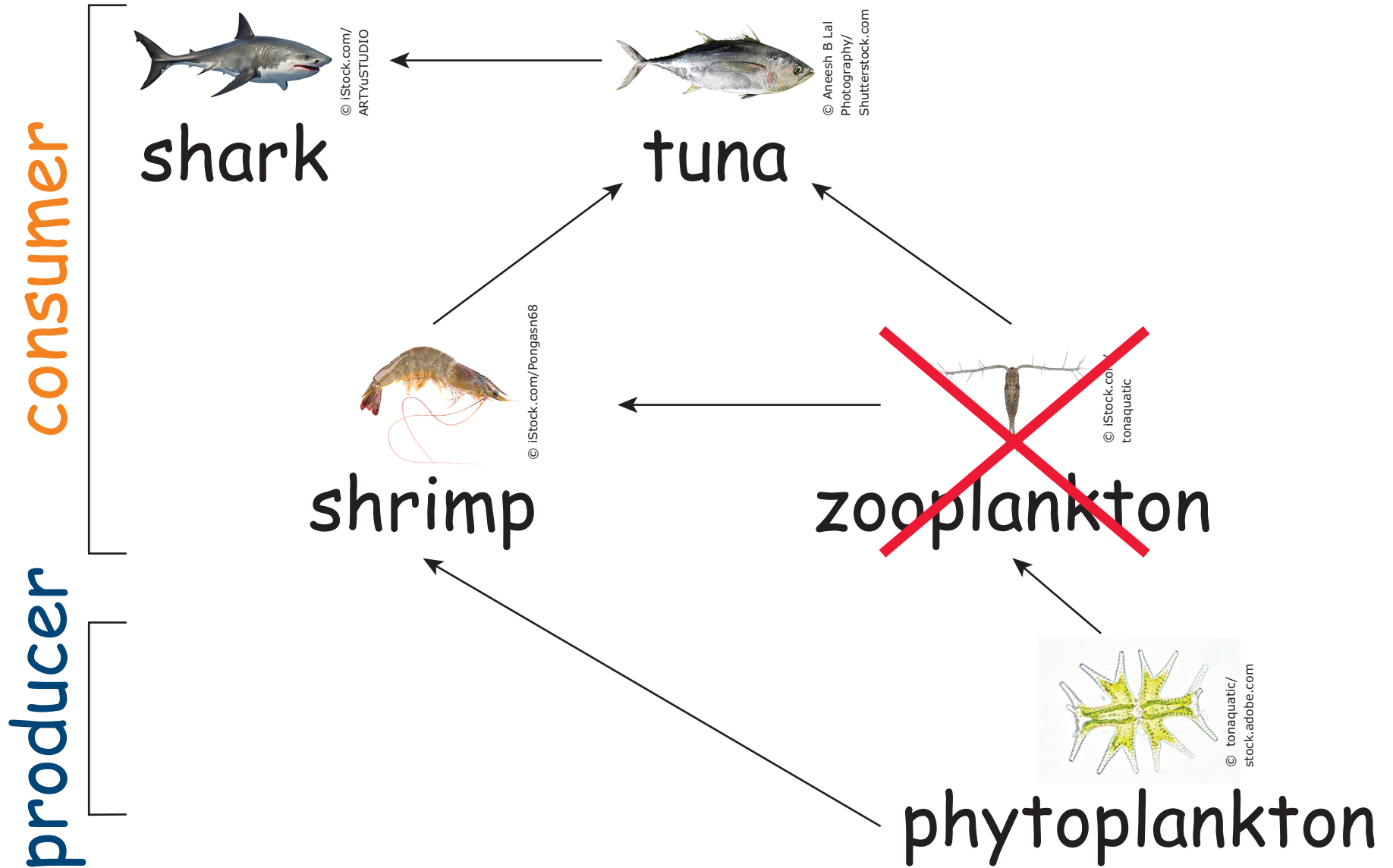


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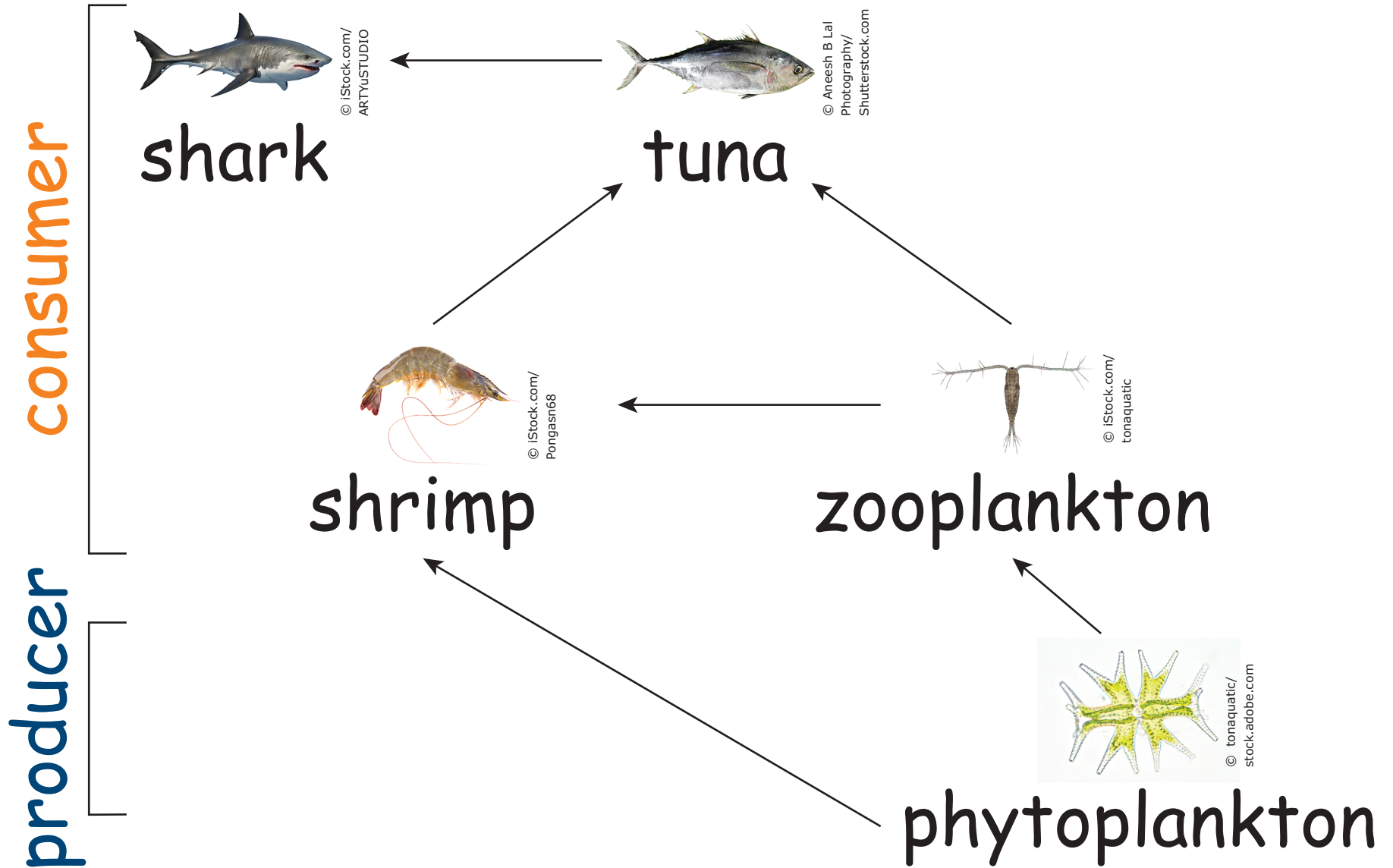


Phytoplankton numbers will decrease.

Tuna numbers will increase.

Shrimp numbers will decrease.

Gulf of Mexico Food Web



Phytoplankton are producers because —

they use sunlight to make their own food

they give off air bubbles to keep the water fresh

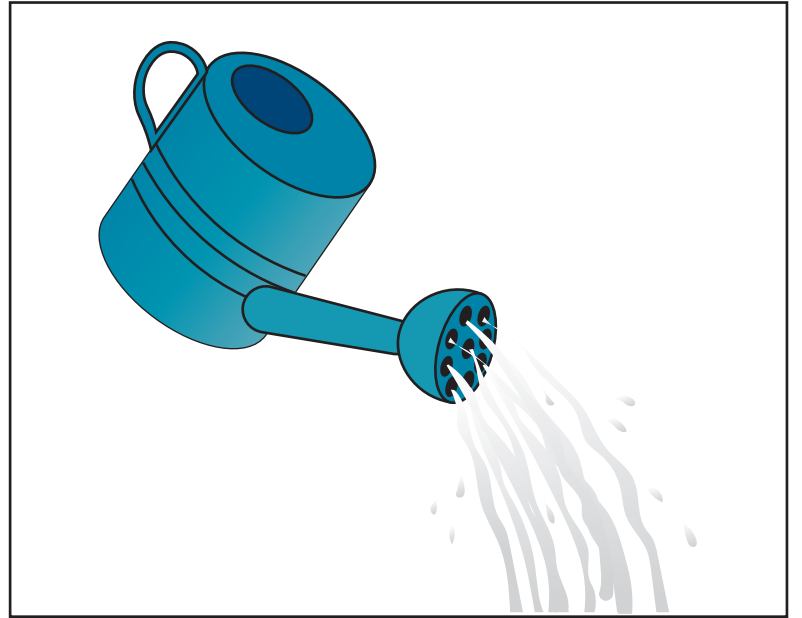
they eat other consumers for energy



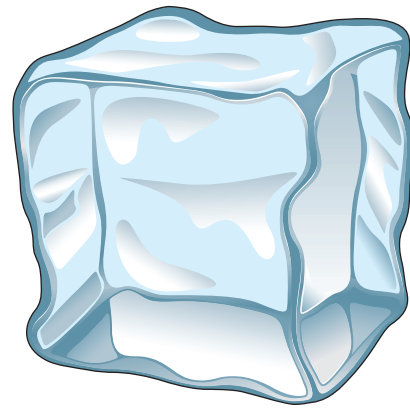
14a



14b



15a



solid

definite mass and takes
the shape of its container

no definite mass and
no definite shape

definite mass and
definite shape

16a



It had heat removed.

It had heat added.

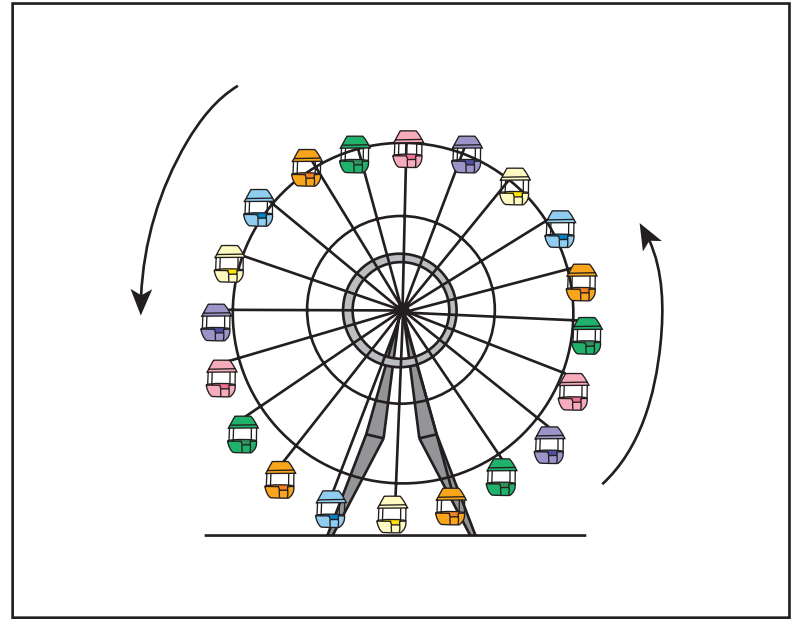
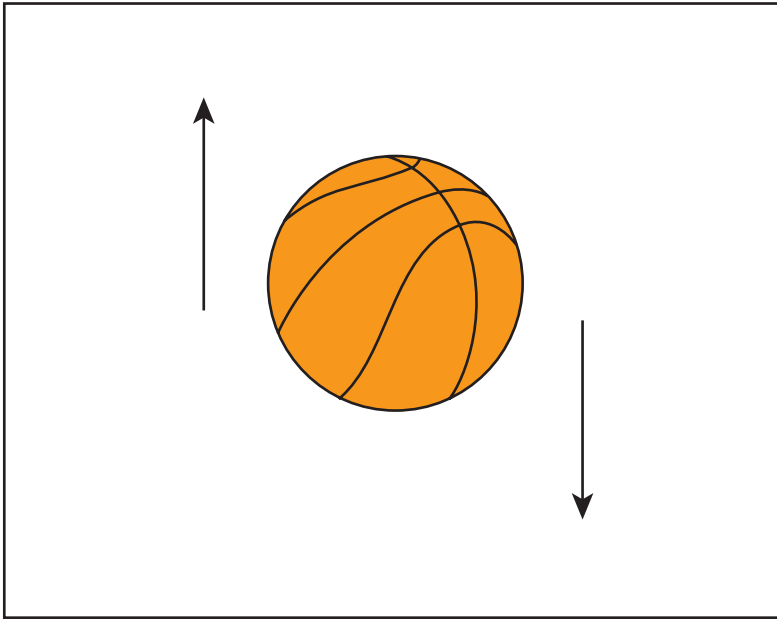
It was poured into a glass.



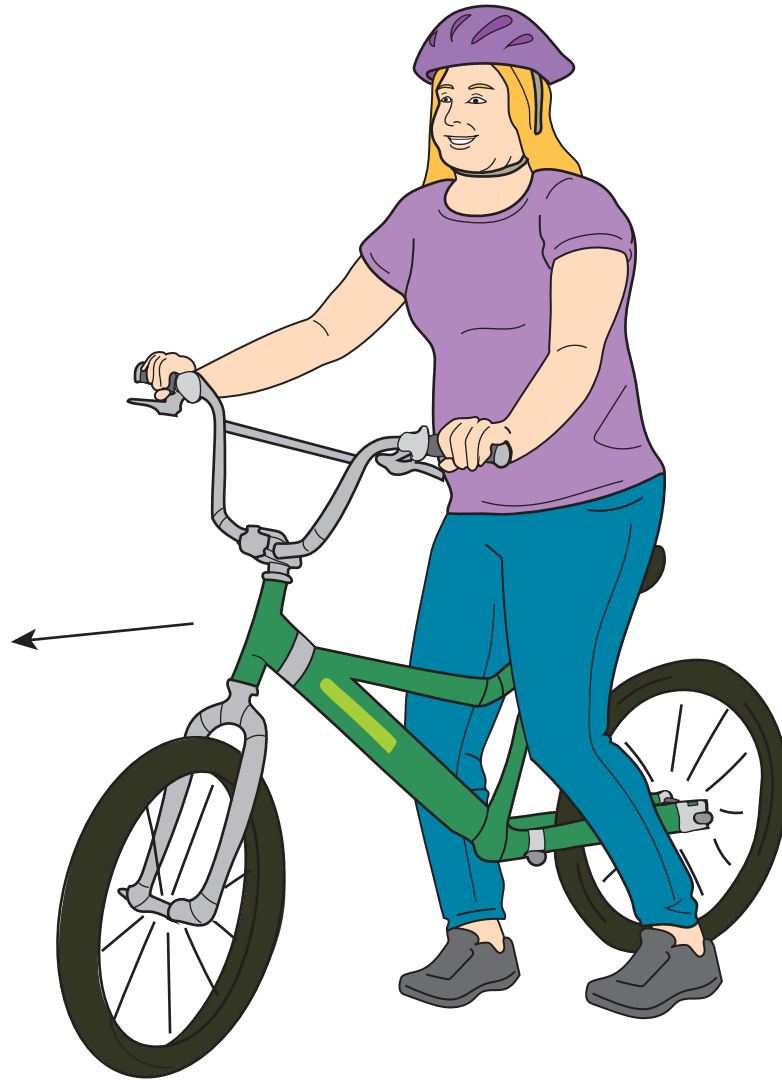
18a



18b



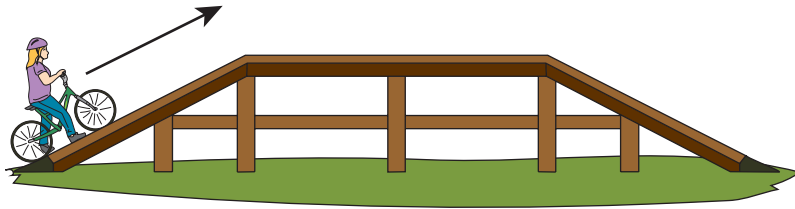
19a



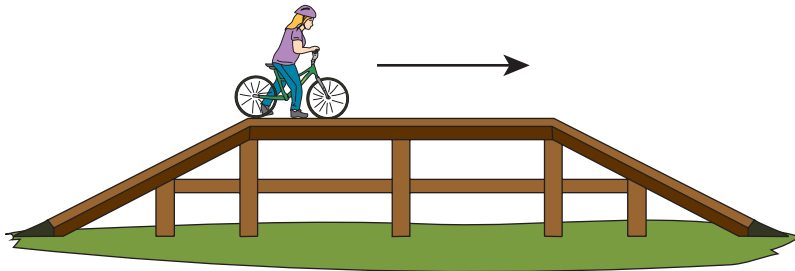
The bike will move at a faster speed.

The bike will continue to move forward at the same speed.

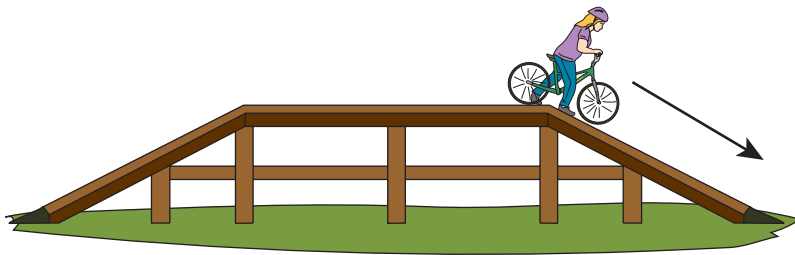
The bike will move at a slower speed.



at the base of the
ramp going up



at the top of the
ramp going straight



at the top of the
ramp going down



STAAR ALTERNATE 2
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