

Unbalanced Forces of Diving

Accelerating

Decelerating

**Changing
Direction**



Instructions

Close X

- The dotted lines in the image show the path of a person diving off a dock, entering the water, and coming back up to the surface.
- The forces that make up the unbalanced net force and the direction of the force are provided.
- For each point, identify whether the motion is accelerating, decelerating, or changing direction by dragging the word to its corresponding letter.
- The first point has been done for you.



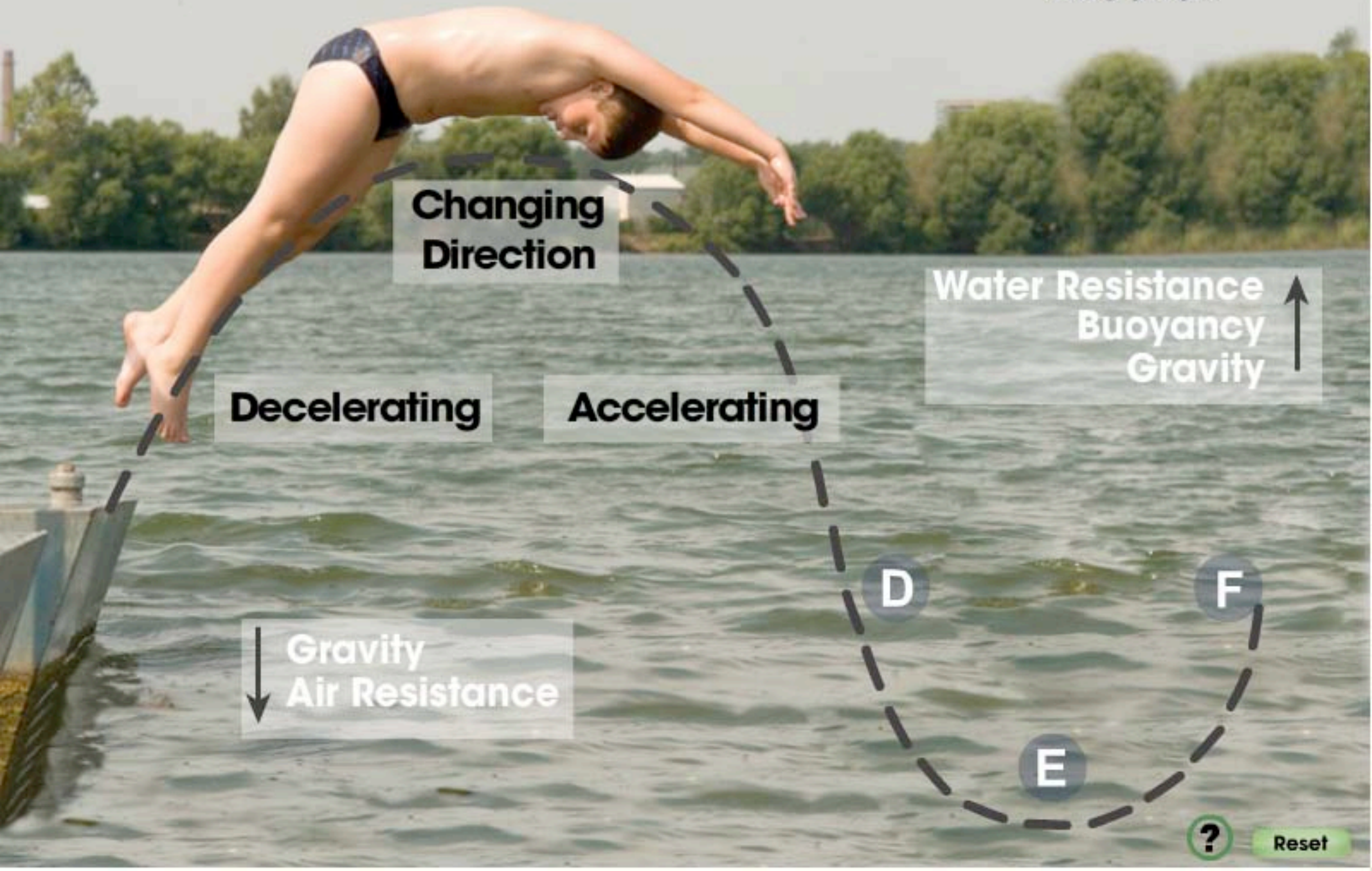
Reset

Unbalanced Forces of Diving

Accelerating

Decelerating

Changing Direction



Changing Direction

Water Resistance
Buoyancy
Gravity

Decelerating

Accelerating

Gravity
Air Resistance

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Reset

Unbalanced Forces of Diving

WELL DONE!



**Changing
Direction**

Decelerating

Accelerating

**Water Resistance
Buoyancy
Gravity** ↑

↓ **Gravity
Air Resistance**

Decelerating

Accelerating

**Changing
Direction**