

The background features a gradient from light green at the top to dark blue at the bottom. On the left side, there is a large, semi-circular scale with numerical markings from 140 to 260 in increments of 10. Several circular patterns, some solid and some dashed, are scattered across the background, some containing arrows. The overall aesthetic is technical and scientific.

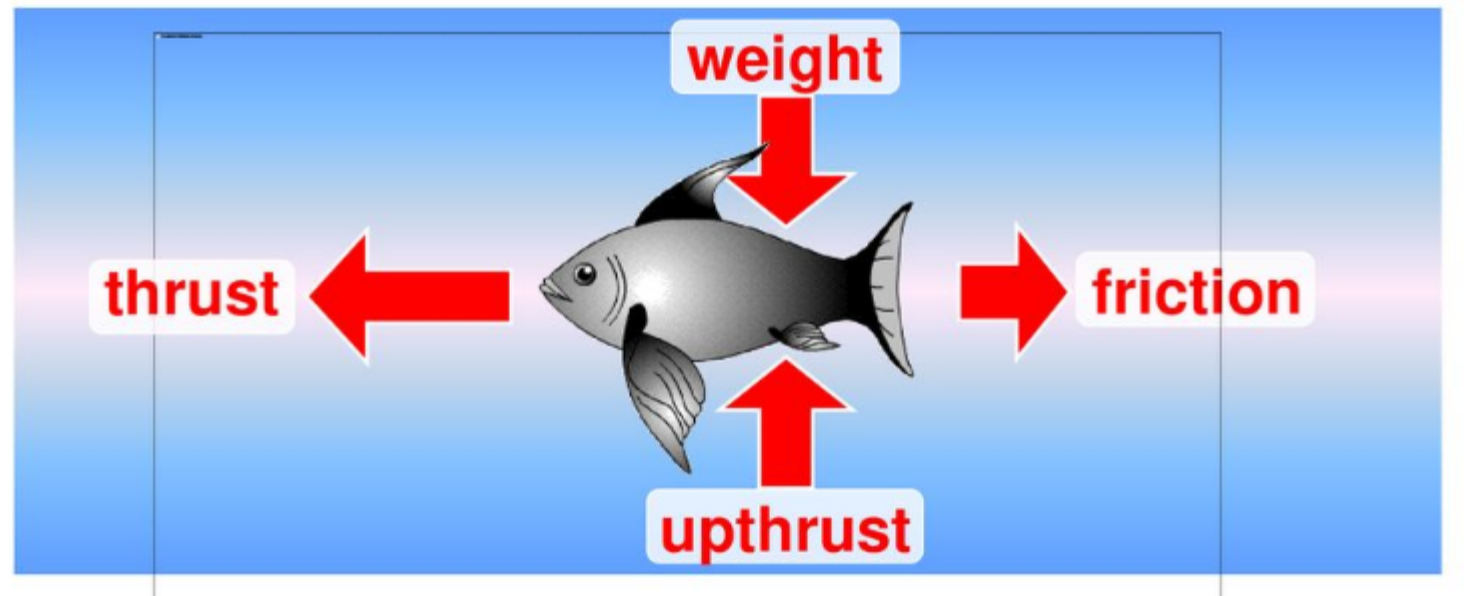
DESIGN A FISH

YEAR 5 SCIENCE
SUMMER WEEK 5

WATCH THIS VIDEO OF HOW TO SWIM LIKE A FISH.

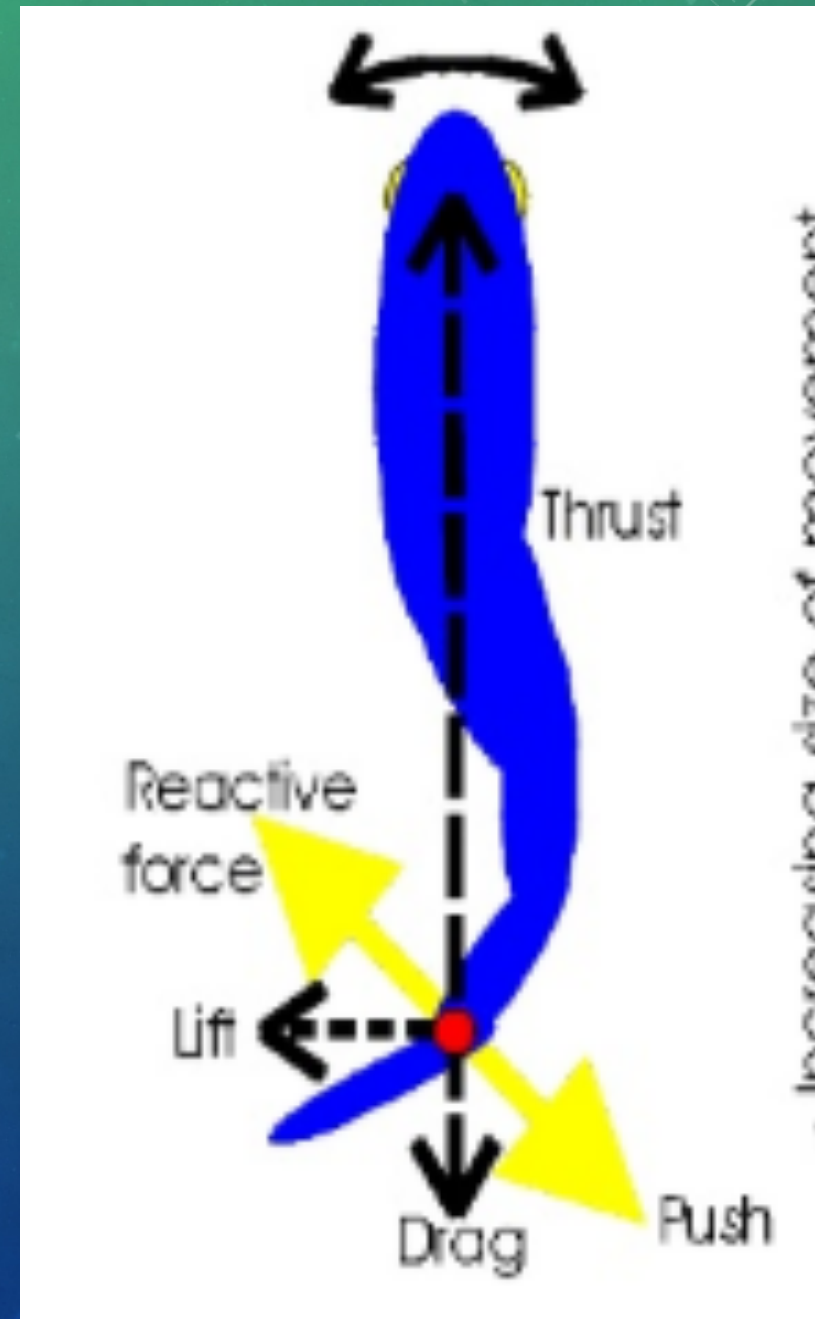
- <https://www.wired.com/2016/08/wanna-swim-like-ledecky-take-dive-physics-drag/>
- You can try this activity if you have Flash Player at home.
- <https://www.pbslearningmedia.org/resource/lsp07.sci.life.evo.buildafish/build-a-fish/>

What forces are acting on this fish as it swims?

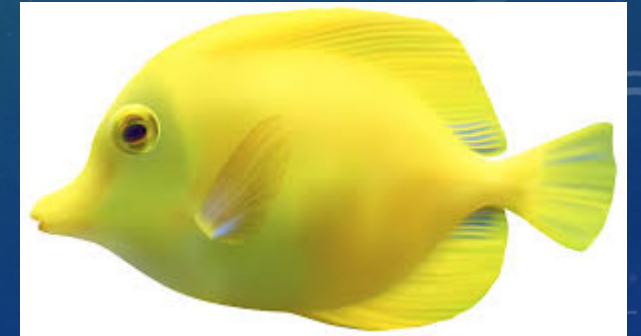


The force of friction acting against the fish when it is swimming is also known as **WATER RESISTANCE**.

The fish uses the movement of its body, especially its tail to provide the thrust which moves it forward.



LOOK AT THESE FISH. WHICH DO YOU THINK IS BEST
DESIGNED TO SWIM QUICKLY?



YOUR TASK

[HTTPS://WWW.SCIENCEFOCUS.COM/NATURE/TOP-10-WHAT-ARE-THE-FASTEST-FISH-IN-THE-WORLD/](https://www.sciencefocus.com/nature/top-10-what-are-the-fastest-fish-in-the-world/)

Use this website to find out the ten fastest fish in the world. What do you notice about each fish in terms of its shape? Add the information to the following chart on the PowerPoint or the attached worksheet.

FURTHER TASK

Use your knowledge of the shape of these fish to design your own Superfish.