

SURVIVAL OF THE FISH

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Background:

The Earth has gone through some changes. It is your job to adapt the fish below to live and survive in its new environment.

Task:

Pick 1 of the environments below. To help your fish adapt, you need to consider **what** your fish is going to eat, **where** it is going to live, **how** it is going to defend itself and **how** it is going to move about in its new environment.

Environments:

Please select 1 of the following:

ICE AGE

The Earth has just emerged from an Ice Age and it is dark and cold. The ocean floor is very mountainous. Because of the cold, dark conditions, only a few plants grow at the water's surface. Other marine animals on this planet include swimming crabs, large nocturnal sharks, giant squids, small dark colored fish, and a variety of aquatic insects. Polar bears have survived and enjoy eating the small dark colored fish.

MELTDOWN

The Earth has just emerged from a Meltdown. The climate is tropical, wet and hot. Most of the ocean is covered by large kelp forests. Spiny algae grows thickly on the floor. The spines of this plant are poisonous, and any animal which touches one is sure to die. Marine animals include sea snakes, three varieties of jellyfish, silver-blue fish, bottom clams, crabs that hide in the kelp forests, and dolphins. The tropical birds have survived and live on a diet of silver-blue fish and sea snakes.



Completion:

You will have about 10-12 minutes to complete your task. Remember think about what a fish needs to do to survive in the planet you chose!

Earth Chosen:

What adaptations will your fish undergo to survive in its new environment?

Based on the Earth you chose, **describe** how your fish will adapt its:

Body shape:	Eyes (number, vision type, etc.):
Fins (number, shape, function, etc.): <i>Dorsal-</i> <i>Ventral-</i> <i>Pectoral-</i> <i>Caudal/tail-</i>	Predator/prey relationship: <i>Predators:</i> <i>Prey:</i>
Habitat (top, middle, bottom of water):	Defense mechanisms:
Mouth (shape, teeth present, etc.):	Color:

How does your fish look after its new adaptations?

Based on the adaptations you chose, **create** your fish: