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CHESTERZOO

ACTIVITY 1: TEST THE WATER

Be an Aquarist: Test the water conditions to find which tank is suitable for your fish.

Fish live in lots of different kinds of habitats. Not all water is the same!

Some fish like it hot, some like it cold. Some fish live in salty water – like the ocean - but if they live in a lake they don't have any salt. Fill in the table below and put the different fish into the right tanks.

| | Tank 1 | Tank 2 | Tank 3 | Tank 4 |
|------------------|--------|--------|--------|--------|
| Temperature (°C) | | | | |
| Salinity (ppt) | | | | |
| pH | | | | |
| Fish species | | | | |
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ACTIVITY 2: WHAT DO FISH NEED?

Fish live in lots of different kinds of habitats. Not all water is the same!

Some fish like it hot, some like it cold. Some fish live in salty water – like the ocean - but if they live in a lake they don't have any salt. Fill in the table below with fish species and record what conditions they like.

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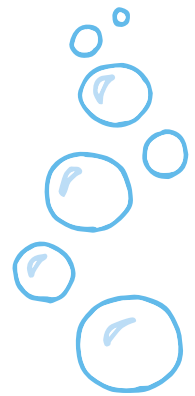
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ACTIVITY 3: DESIGN YOUR OWN FISH TANK

This is where you need to get creative! Now you know what fish need, it's time to design your own tank.

Research a new fish species and design a suitable habitat for them.

Do they live in hot (tropical) or cold (temperate) areas? Do they live in the salty ocean or in freshwater like lakes or rivers? What else do you have to consider? Are they social fish that like to live in large shoals or not? Do they like hiding in rocks or plants?



Things to think about:

- What will happen to your fish if the temperature rises?
- What will happen to your fish if the water becomes more acidic (pH falls) with acid rain?
- What will happen to the food chain and ecosystem if your fish becomes extinct?