



Spotlight on Science

LESSON STARTERS

The secret life of your colourful aquarium fishes
Dr Rudiger Riesch

Learning objectives:

By the end of this lesson you should be able to:

1. Know more about how some popular aquarium fish help scientists discover what drives biodiversity
2. Know and explain the speciation continuum

Points to discuss: Evolution

- What are the main features of the theory of evolution via natural selection?
- What features usually evolve in cave animals and why?

Points to discuss: Biodiversity

- Why are invasive species often so harmful to natural environments?
- What are the good and bad aspects of purposefully introducing nonnative species into new environments in order for them to fulfill a specific task?

Additional information:

<https://sites.google.com/site/ruedigerriesch/home>