| Code the "Perfect" Animal | Grade 9 to 12 – Evolution |
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## Handout 1.1 – Starting Questions

**Answer the questions below to help plan out what characteristics your animal needs to adapt in every environment.**

1. What conditions does your animal need to adapt to in a <u>Desert?</u>

2. What conditions does your animal need to adapt to in an <u>Ocean?</u>

3. What conditions does your animal need to adapt to in a <u>Cave?</u>

4. What conditions does your animal need to adapt to in a <u>Forest?</u>

5. What conditions does your animal need to adapt to on the <u>Mountains?</u>

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## Handout 1.2 – Pseudocode Work Area

**Using your answers from the previous questions, write a code showing all the traits your animal needs to adapt in all the environments. You can write your code using functions.**

**Example:**
```
function adaptWater () {
        have flat tail
}
```

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## Handout 1.3 – Reflection Questions

Why does a "perfect" animal not exist?

What are the disadvantages of having many traits to adapt in multiple environments?

What other factors are not being considered that could harm your animal?

After doing this activity, how does evolution and coding have similarities?