

LEARNING CHECK

1. Why do different specialized cells have different structures?
2. Refer to **Table 1.2** to explain how neurons are specialized to carry out their function.
3. Do you think a fish would have the same types of specialized cells as a bird? Explain your thinking.

1. **Different structures allow for different functions. Structure dictates function.**
2. **Branching allows for communication with many cells. Long & thin allows efficient communications and can travel far distances.**
3. **Some would be the same as certain similar functions needed (digestion...) but others would be different based on different needs (feathers vs scales...)**