



### Tough Enough?

1. What is the scientific word used for animals that survive in tough conditions?

- Tardigrades
- Extremophiles
- Indestructible

2. Why do Aboriginal people only drink from the Eastern water-holding frog in an absolute emergency?

- Frog water tastes disgusting.
- They're hard to dig up and get out of their cocoon.
- Unless the frog can drink again quickly, it will die.

3. The European explorer must have known that it was hot and dry in the Australian desert! Why do you think he ran out of water anyway? What might have gone wrong?

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4. If you had to put up with extreme heat, drought or cold, which would you choose? Why?

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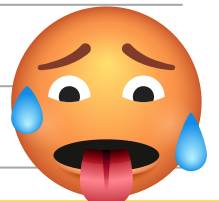
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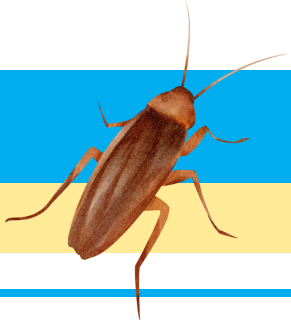


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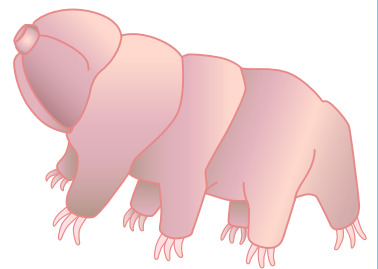


5. Why did Bryce say about cockroaches, 'No wonder they're so hard to kill'?

- Because they can handle 900 times their own weight.
- Because they can withstand a nuclear explosion.
- Because they are fast runners and can survive on very little food.

6. What's the one thing that could endanger tardigrades?

- The radiation and lack of oxygen in space
- Extremely cold temperatures
- The slow temperature rise of climate change



7. Why do you think it could help humans to study animals that can tough out extreme heat, cold, drought, and other challenges?

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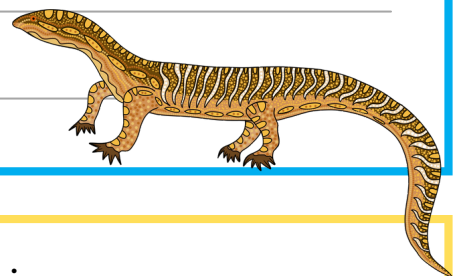
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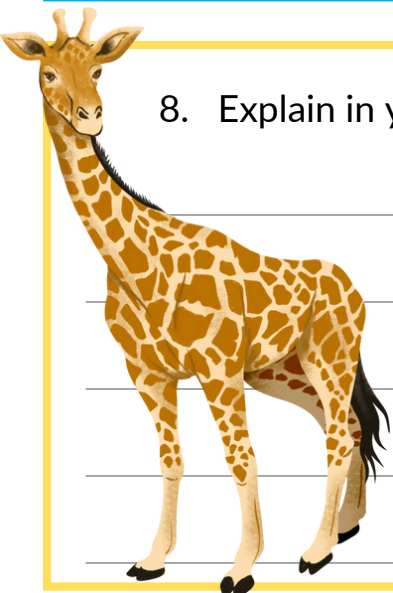
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8. Explain in your own words what an animal adaptation is.



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