

Ecology



Biodiversity

1 What is a frog?

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2. What is a toad?

For further thought...

Pick a frog species and research it. What are its characteristics? Where does it live? Does it have special features or behaviors to help it adapt to its habitat?

Niches

3 Why is water so important to frogs?

4 What habitats do frogs live in?

5 What animals eat frogs?

6 What do frogs eat?

Lifecycle

7 What are the four main stages in the life cycle of the frog?

Hibernation

8 When do frogs hibernate and what causes this to happen?

9 What does poikilothermic mean?

10 What do frogs use for energy when hibernating?

11 How do frogs breathe when hibernating?

12 Where do frogs hibernate?

Behavior

13 When are frogs more likely to hunt, and when are they more likely to eat passively?

14 Compare how frogs catch prey while on land with how they catch prey while in water:

15 a. When do most frog species mate?

b. What environmental conditions play a part?

16 a. Frogs are normally solitary creatures. How do they find mates?

b. If you hear a frog's mating call, are you hearing a male or a female frog?

17 If a frog calls, but isn't trying to find a mate, what type of call might it be making? (3)

Environmental Concerns

18 Why do scientists consider frogs to be good bio-indicators?

19 a. What are the indications in frogs of environmental problems?

b. What are possible causes of these problems?

c. Which of these possible causes has direct consequences for frogs alone?

20 What is probably the biggest single threat to frogs?

For further thought...

Why haven't scientists discovered for certain why frog populations are declining?

For further thought...

Why should you not pick up a frog if you have bug spray on your hands? Why does it not affect you?