

Name: ANSWER KEY

Frogs that can take the heat expected to fare better in a changing world

Climate change may outpace deforestation as habitat threat in tropics

1. True or False: Frogs are disappearing globally. TRUE
2. What is thermal tolerance? "the ability to withstand higher temperatures" according to the article.
The range of temperatures that an organism can withstand and still survive is also acceptable.
3. What is the full scientific name for the fungus referred to as Bd, or the amphibian chytrid?

<u>Batrachochytrium</u>	<u>dendrobatidis</u>
(Genus)	(species)
4. Why is this fungus being studied? Because it threatens the health of amphibian populations.
It is a rather newly discovered pathogen and scientists are still learning about it.
5. In which environment does Bd grow best?
 - a. hot environment
 - ☒ b. cool environment
6. Which frog would be more likely to escape infection by the fungus?
 - ☒ a. a frog with high thermal tolerance
 - b. a frog with low thermal tolerance
7. What two factors may lead to more frog disease outbreaks, according to Brian Todd, Associate Professor of Conservation Biology in the UC Davis Department of Wildlife, Fish, and Conservation Biology?
 - ☒ a. climate change
 - b. pollution
 - ☒ c. pathogen transport facilitated by globalization
 - d. increasing numbers of mosquitos
8. According to the research findings presented in the article, which may occur faster?
 - ☒ a. loss of thermally suitable habitat due to climate change
 - b. loss of habitat due to deforestation