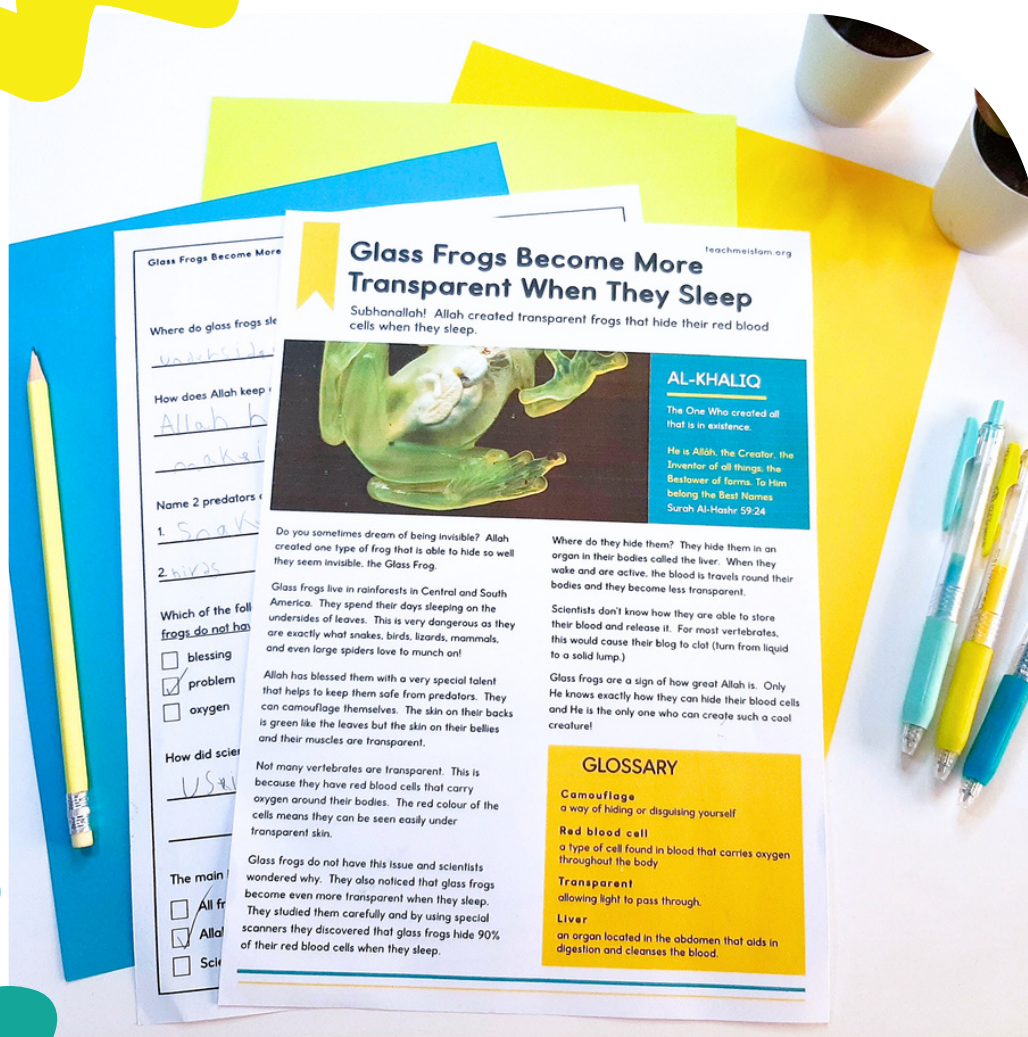


READ, LEARN, REFLECT



# GLASS FROGS

FREE Reading Comprehension  
for Muslim Kids



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# Glass Frogs Become More Transparent When They Sleep

Subhanallah! Allah created transparent frogs that hide their red blood cells when they sleep.

## AL-KHALIQ

The One Who created all that is in existence.

He is Allāh, the Creator, the Inventor of all things, the Bestower of forms. To Him belong the Best Names  
Surah Al-Hashr 59:24



Do you sometimes dream of being invisible? Allah created one type of frog that is able to hide so well they seem invisible, the Glass Frog.

Glass frogs live in rainforests in Central and South America. They spend their days sleeping on the undersides of leaves. This is very dangerous as they are exactly what snakes, birds, lizards, mammals, and even large spiders love to munch on!

Allah has blessed them with a very special talent that helps to keep them safe from predators. They can camouflage themselves. The skin on their backs is green like the leaves but the skin on their bellies and their muscles are transparent.

Not many vertebrates are transparent. This is because they have red blood cells that carry oxygen around their bodies. The red colour of the cells means they can be seen easily under transparent skin.

Glass frogs do not have this issue and scientists wondered why. They also noticed that glass frogs become even more transparent when they sleep. They studied them carefully and by using special scanners they discovered that glass frogs hide 90% of their red blood cells when they sleep.

Where do they hide them? They hide them in an organ in their bodies called the liver. When they wake and are active, the blood is travels round their bodies and they become less transparent.

Scientists don't know how they are able to store their blood and release it. For most vertebrates, this would cause their blood to clot (turn from liquid to a solid lump.)

Glass frogs are a sign of how great Allah is. Only He knows exactly how they can hide their blood cells and He is the only one who can create such a cool creature!

## GLOSSARY

### Camouflage

a way of hiding or disguising yourself

### Red blood cell

a type of cell found in blood that carries oxygen throughout the body

### Transparent

allowing light to pass through.

### Liver

an organ located in the abdomen that aids in digestion and cleanses the blood.



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## Questions

Where do glass frogs sleep?

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How does Allah keep glass frogs safe from predators?

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Name 2 predators of glass frogs.

1.

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2.

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Which of the following words is a synonym for 'issue' as it is used in the sentence 'Glass frogs do not have this issue.'?

blessing

problem

oxygen

How did scientists discover how glass frogs become more transparent when they sleep?

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The main idea of the article is...(tick one)

All frogs can make themselves transparent.

Allah created glass frogs who have the special ability to become transparent.

Scientists know everything about glass frogs and how they were created.

## Glass Frogs Become More Transparent When They Sleep

# Answers

Where do glass frogs sleep?

Glass frogs sleep on the undersides of leaves.

How does Allah keep glass frogs safe from predators?

He gave them the ability to camouflage themselves. They can become transparent when sleeping and very difficult for predators to spot.

Name 2 predators of glass frogs.

Any two of the following answers: snakes, birds, lizards, mammals or large spiders.

Which of the following words is a synonym for 'issue' as it is used in the sentence 'Glass frogs do not have this issue.'?

- blessing
- problem
- oxygen

How did scientists discover how glass frogs become more transparent when they sleep?

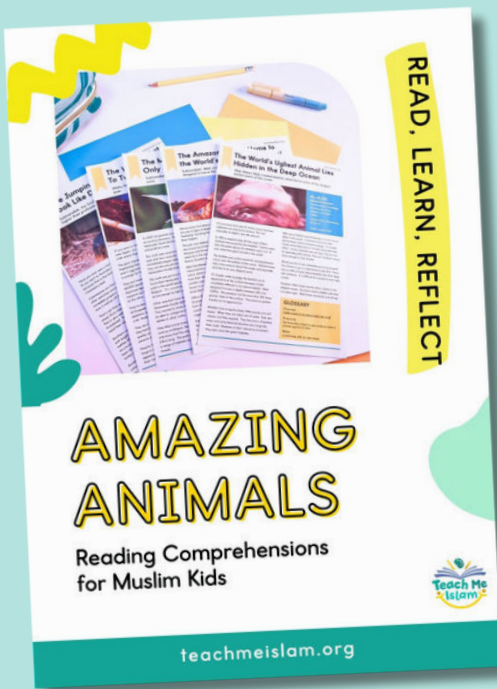
They used special scanners to see where the red blood cells went while the frogs slept.

The main idea of the article is...(tick one)

- All frogs can make themselves transparent.
- Allah created glass frogs who have the special ability to become transparent.
- Scientists know everything about glass frogs and how they were created.

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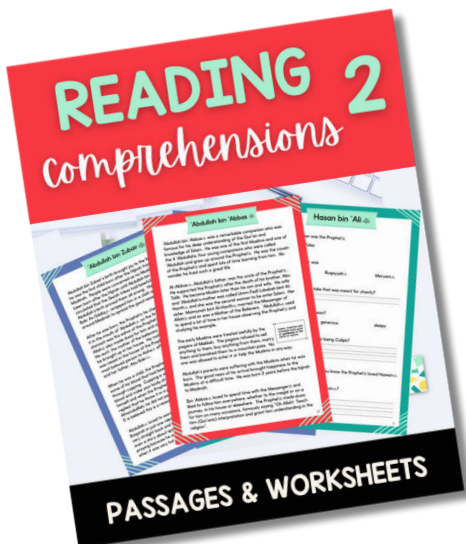
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