

Worksheet *Fireflies* (Glühwürmchen)

Underline the correct answer.

1. What does Christoph use to photograph the fireflies?

a special camera/a cell phone/ an iPad

2. When can one see glowing fireflies?

in June and July/in January and February/in October and November

3. Where can one see fireflies?

in the meadow/in water/in the forest

4. How long do fireflies fly?

1-3 hours/10 hours/one day

5. Why does Christoph build a trap?

he wants to bring the fireflies home/observe them/eat them

6. Which firefly has two white glowing stripes on its lower abdomen?

the male/the female/both

7. What does the female look like?

like a snail/like a bug/like a worm

8. Why do fireflies glow?

So they can be pretty/So that they don't get lost/So that
male and female fireflies can find each other

Answer key *Fireflies* (Glühwürmchen)

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Worksheet *Firefly trivia* (Wissenswertes über Glühwürmchen)

Group 1: How do fireflies feed themselves?

Fireflies live as larvae for 3 years. During this stage they feed themselves with snails. They kill the snails with a poisonous bite and eat them completely in about 30 hours. Later, they don't eat anything and live off the fat reserves from the larval stage.

2. How long do fireflies live?

Fireflies live for 3 years as larvae. In the 4th year, they transform first into a pupa; after 10 days, the adult firefly emerges from the pupa. This phase is very short. The males live for about 5-7 days and the females live for 7-10 days.

3. Why are there fewer and fewer fireflies?

Fireflies need darkness so that males and females can see each other's light signals and find each other. Due to increasing light pollution there are fewer and fewer places that are dark enough for them.

Sources: <http://www.laternentanz.eu/Content/Informations/Living.aspx>
and <https://www.wasistwas.de/details-natur-tiere/warum-leuchten-gluehwuermchen.html>

Question cards *Fireflies* (Glühwürmchen)

Can one see fireflies in October and November?

(No, only in June and July)

Is it true that fireflies can only fly for one to three hours?

(Yes)

Can one find fireflies in the forest?

(No, only on the edge of the forest)

How many white, glowing stripes do the male fireflies have on their lower abdomen?

(two)

When can one observe fireflies glowing?

(In the evening, when it's dark)

What do the firefly larvae eat?

(snails)

How many hours do the firefly larvae need to eat a snail?

(30 hours)

For how long are fireflies larvae?

(3 years)

Why do fireflies glow?

(It is how male and female fireflies find each other)

How long do female fireflies live?

(7-10 days)

Logic puzzle *Fireflies* (Glühwürmchen)

Fireflies belong to the glowworm family. We differentiate between small, large and short-winged glowworms.

The female small and large glowworms cannot fly. With the short-winged glowworms the males also cannot fly. With the large glowworms, the males cannot glow.

What type of glowworm are males that can **fly and glow**?

My word bank sheet *Fireflies* (Glühwürmchen)



Now I know (Ich kann schon) questionnaire for the *Fireflies* (Glühwürmchen) lecture

Lecture <i>Fireflies</i>	How I see myself:		How my teacher sees me:	
	I know this.	I still need to work on this.	You know this.	You still need to work on this.
I can understand a short (technical) film on the topic.				
I know new words and expressions on the topic.				
I can understand new technical terminology in context.				
I can understand, memorize and summarize a short technical text.				
I can understand and answer questions on the topic.				
I can correctly spell words on the topic.				
I can understand and follow instructions.				
I can prepare and carry out a performance (firefly show) in cooperation with others.				
I can work successfully with others.				