■Everyone is brave enough to fight a dangerous animal. Discuss.

I think so.

Japanese proverb says

It is too simplistic to conclude from this paper only that all artificial lightings are harmful to insects.

Because lighting effects to insects would depend on its wavelength and amount of light, it may be possible to reduce effect by changing them.

In addition, if we change the lighting to only illuminate roads, we can protect insects without reducing artificial lighting.

The reducing lighting is not the only way to do it.

Discussion

1. Have you ever been a hero?

The researchers in this article conducted a survey by field tests.

The results are some kinds of truth, but field tests are affected by many disturbances.

So that I'm wondering if similar results can be obtained in lab experiments.

1. Who are your heroes?

Moths play an important role in helping pollinate flowers like butterflies.

They help pollinate by carrying pollen from flower to other flowers.

1. Would you fight a mountain lion?

They have four developmental stages in their life.

They are egg, larva, pupa and imago.

Caterpillars which are categorized to larva undergoes metamorphosis into a pupa.

The pupa is a quiescent, non-feeding developmental stage.

In this stage, the insect’s physiology changes drastically for preparing next stage.

After that, emergence is occurred and they become imago.

These processes are called holometabolism.

1. What do you think of the mother’s actions?

I imagine insect researchers have loved insects since their childhood because insects are more familiar since childhood than other filed of study such as physics.

I think it is fortunate to make their living on what they love although sometimes it is painful.

I imagine they may be worried about the gap between ideal and real because of their enthusiasm.

1. Are there any wild animals living near your town?

What three adjectives best describe this story?

1. Should the woman be given a medal?

Yes, I can.

I usually sleep without light in the night, but I often sleep after dinner in the living room with artificial light.

Artificial light doesn’t matter when I am sleepy.

1. What do you know about mountain lions?

Mountain lions also called cougars or pumas.

They look like female lions.

The weight is about 50 to 80 kg and Body length is 100 to 150 cm.

They are carnivorous and eat kind of deer, goat and lama.

They inhibit Canada to South America.

Many people have seen it as the logo of the sports brand Puma.

1. What advice do you have for the little boy?

What questions would you like to ask the researchers?