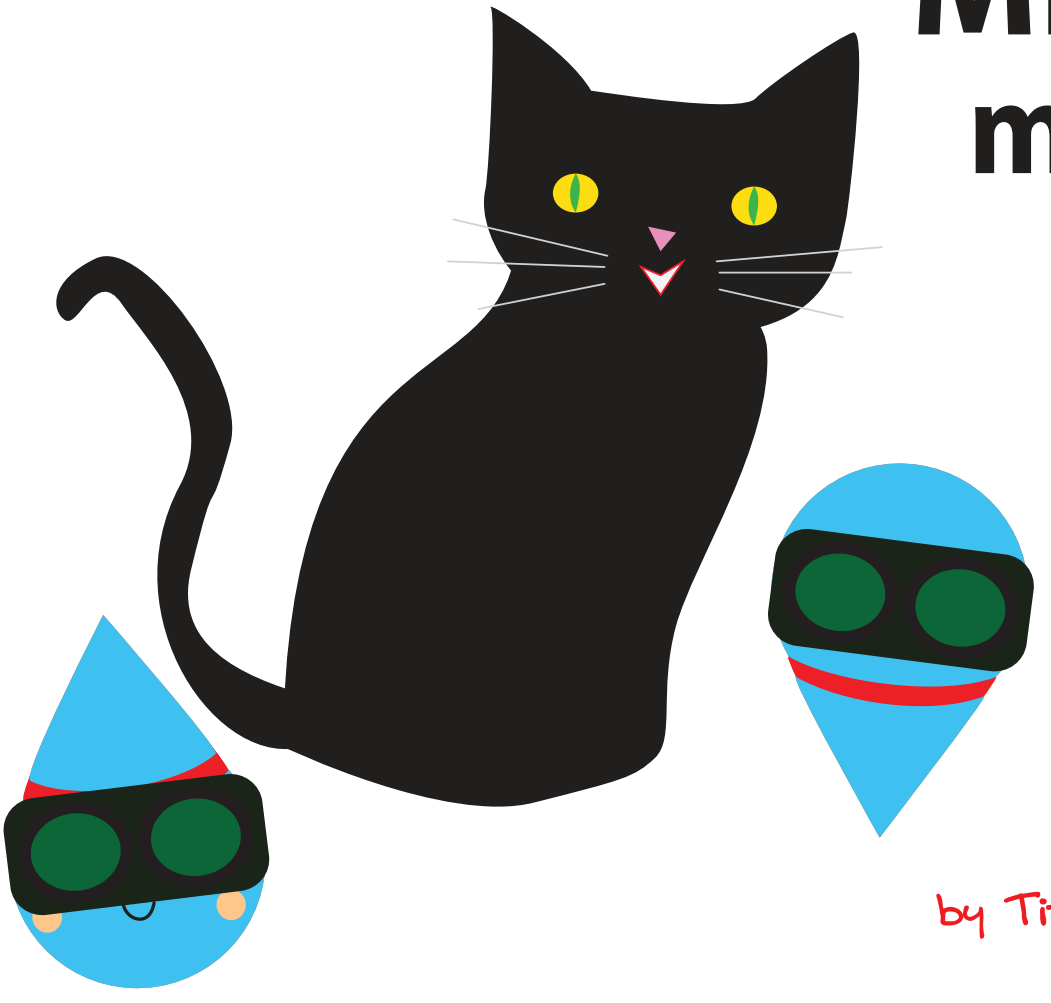
Millie micro nano pico



by Tiziana Stoto

Book 10 in which Millie fights
for the liberation of infrared photons

● Oh dear. Last night I forgot to ask my question about the rainbow.

● Let's hope that tonight someone will listen to me.

Millie
Micro
Nano
Pico

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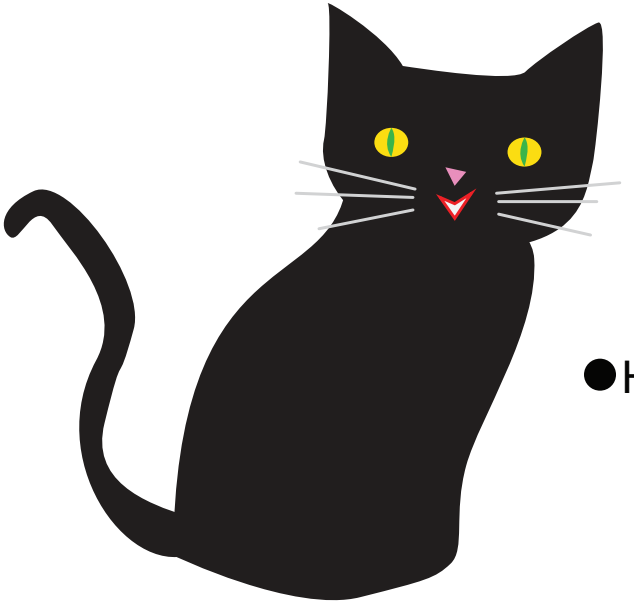
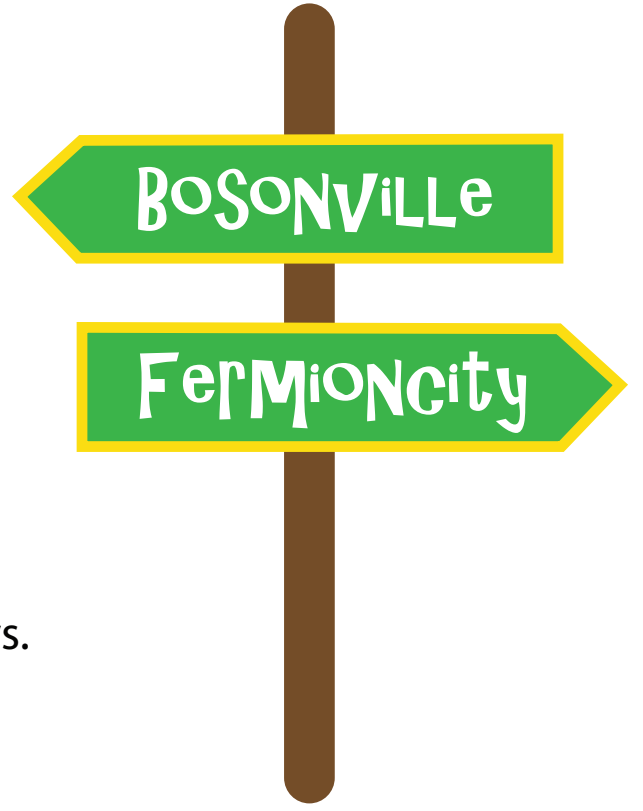
Micro
Nano
Pico

Millie
Micro
Nano
Pico

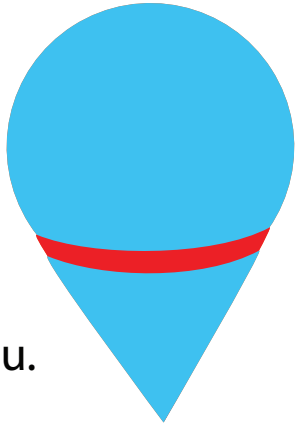


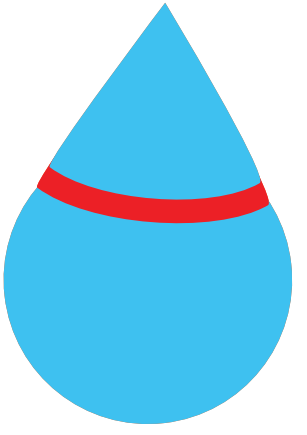


● Hi guys.

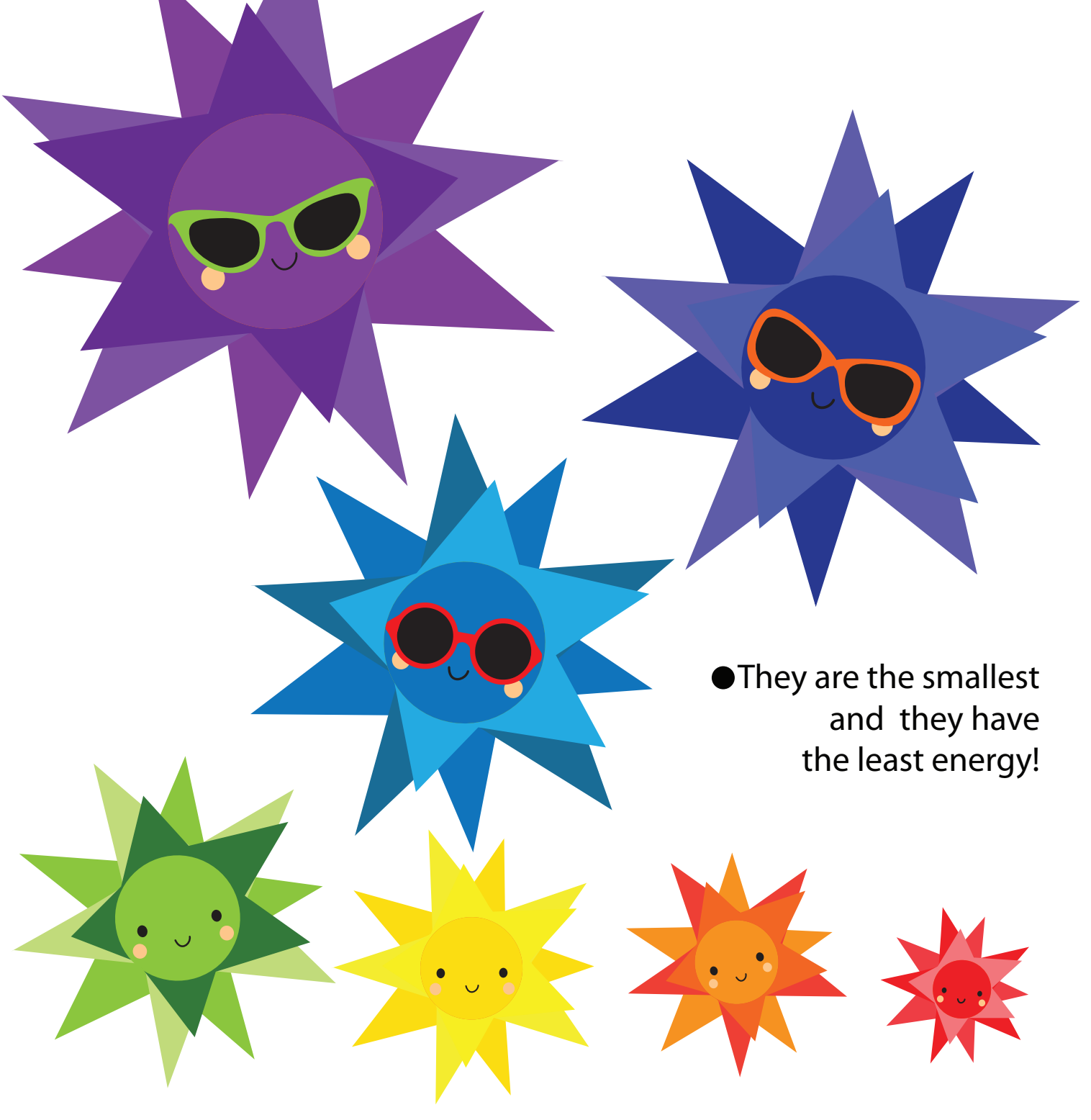
▼▲ Hi Millie.

● I have a question for you.





- Why are the red photons at the top of the rainbow and not at the bottom?



- They are the smallest and they have the least energy!

At the beginning of Millie micro nano pico Book 10, Millie asks the electrons to explain the nature of a rainbow. This gives her the opportunity to learn that photons have a double nature: they are both particles and waves, just like electrons. Their waves have different wavelengths, which determine their colour. Millie also discovers that there are invisible photons with wavelengths longer than coloured photons. She hears about the ones that carry heat, called infrared photons. This adventure ends with Millie worrying about global warming and the greenhouse effect, in which infrared photons are directly involved.

Millie needs your help! Please, send all your questions to Millie's website milliemicronanopico.com or to her Facebook page www.facebook/milliemicronanopico. If Millie uses one of your questions in a new story, she will send you a certificate.