



# Classroom Activity

10 Big Question: How does the Earth work?

## Luminescence in depth

In the article we learned that luminescence is an emission of light, but that there are lots of different types. In this activity you will investigate a type of luminescence and research its useful applications.

Some examples of luminescence include, but are not limited to:

- > Fluorescence
- > Phosphorescence
- > Bioluminescence

Research a type of luminescence of your choice. Here are some questions and ideas to guide your research:

1. How would you define your selected luminescence? How would you explain it to someone else?
2. How does it differ from other types of luminescence?
3. Does your chosen luminescence occur in nature or is it man-made?
4. Are there external factors that can affect the level brightness of the luminescence (i.e. can it be affected by cold or hot temperatures)?
5. How is it measured? What instruments are used?
6. Describe the applications of your selected luminescence.
7. Can you find examples of your luminescence at school or home?
8. Any other interesting facts about your chosen luminescence.

Present your findings in a poster, written report or as a multimedia presentation.