

PEAS DEAD OR ALIVE?

**SCIENCE
WEEK**

10-17 NOVEMBER 2013
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Are the peas in a marrowfat box dead or alive?

Give a reason for your answer:

Can we carry out an investigation to find the answer?

What are the seven characteristics of living things?

Can you identify any of these characteristics in the peas?

Respiration is something that must happen if something is alive.
Gaseous exchange takes place during respiration.
What gas is taken in by living things?

What gas is released by living things?

How can we test for this gas?

What happens to a lighted taper in this gas?

NOW FOR THE INVESTIGATION!

MATERIALS NEEDED

Box of marrowfat peas, jam jar with a lid, water, wooden splints and a lighter.

PROCEDURE

- Put some peas in the jam jar (about 1/5th fill)
- Add a small amount of water to the jar
- Put the lid on tightly
- Leave the jar aside for a couple of days



How are you going to use this investigation to find out if the peas in the jar are alive or dead?

Have a look at your list of materials. Have you used all of them?

Think about the properties of gases you have made.
Have you discovered whether the peas are alive or dead?

How do you know?

If they are alive, how many characteristics of living things have you noticed?

