



Baylab

Packaging Pandemic!

PACK IT IN



Packaging comes in many types and is made from many materials. How many can you think of in 30 seconds? Sometimes more than one material is used in a single layer of packaging. Do you think this makes it easier or harder to be Reused or Recycled?

How can we decide which packaging is best and will this be true for all products?

Your challenge is to collect up to 6 types of packaging and design a way of comparing them so that you can decide which is best.

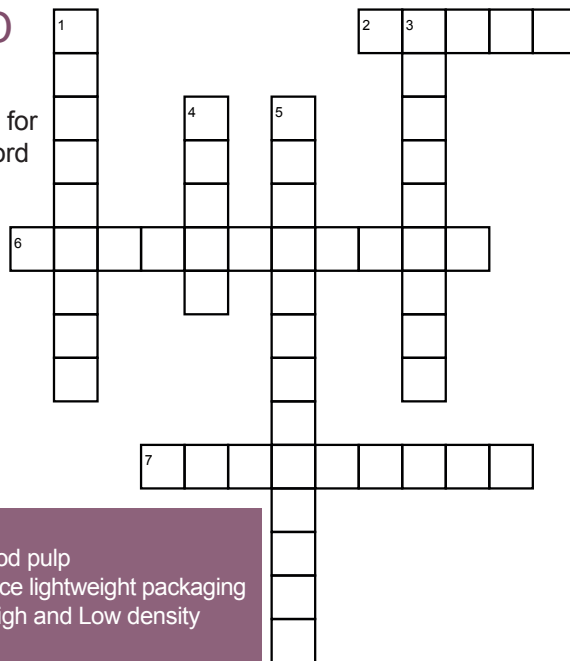
INVESTIGATION 3 Comparing packaging.

PART 1 Collecting your packaging

- // Look for your packaging samples at home. The kitchen store cupboards are a good place to start but ALWAYS check with an adult that you can take the packaging.
- // You should aim to collect at least three and up to 6 types of packaging.
- // The packaging should be clean and dry, it may be necessary to wipe it with a dry or damp cloth to remove any product.

CROSSWORD PUZZLE

What materials are used for packaging? The crossword contains six popular packaging materials.



Down:

1. The most recycled packaging
3. Lightweight metal for foil, trays or cans
4. Transparent but fragile
5. A hard plastic providing lots of protection

Across:

2. Originally made from wood pulp
6. Often expanded to produce lightweight packaging
7. A plastic that comes in High and Low density varieties

PART 2 Comparing your packaging

- // For each piece of packaging you should score it for each of the **four purposes** of packaging:
 - How well does it **PROTECT** the product?
 - How **CONVENIENT** is it for the consumer?
 - Does it **PRESERVE** the product or stop product being **WASTED**?
 - How **VISIBLE** is the packaging?
- // You should also think about the **four R's** for each piece of packaging:
 - Could it be **REMOVED** entirely?
 - Could the amount be **REDUCED**?
 - Can it be **REUSED** for the same or a different purpose?
 - How easy is it for consumers to **RECYCLE** the packaging?

PART 3 Summarising your findings

- // Which type of packaging do you think was best and why?
- // Did you have any examples of where packaging could be removed entirely?
- // Do you have suggestions of where a better packaging type could be used? Why would it be better?

HOW SHOULD WE PRESENT OUR RESULTS?

There are many ways to show your findings (e.g. a poster or infographic or even a song or video) as long as it communicates **what packaging you looked at** and **what you found out**.

Please do let us see what you have produced on social media using

#Packagingpandemic @BayerUKI

Crossword answers: 1. Cardboard 2. Paper 3. Aluminium 4. Glass 5. Polypropylene 6. Polystyrene 7. Polythene





Some sentence structures to get you started:
COLLECTING:



a) I collected _____ types of packaging from the following products:

i. _____ which was packaged with _____ (and _____)

ii. _____ which was packaged with _____ (and _____)

iii. _____ which was packaged with _____ (and _____)

b) For _____ (product) the packaging was particularly good at _____
but not very good at _____ .

c) I think that for _____ (product) but there was too much _____ ,
the packaging could be improved by using _____ .

d) I think it would be easy/hard for consumers to recycle the _____ used to
package (product) _____ .



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