

# Circular Economy Quiz

## Round 1: Warm Up Round

### 1. What are the 3 R's?

- |            |           |           |          |
|------------|-----------|-----------|----------|
| a. Recycle | b. Reduce | c. Reduce | d. Reuse |
| Repurpose  | Repair    | Reuse     | Repair   |
| Reduce     | Recycle   | Recycle   | Reduce   |

2. What does **linear** economy mean?

3. What does **circular** economy mean?

### 4. What is plastic made from?

- |        |                                |                                     |  |
|--------|--------------------------------|-------------------------------------|--|
| a. Oil | b. Cellulose<br>from tree bark | c. Bones from<br>fossilised animals | d. Occurs<br>naturally and is<br>mined in Asia |
|--------|--------------------------------|-------------------------------------|--|

## Round 2: Recycling

### 1. How much rubbish is recycled in Devon (2018/19)?

- |        |        |        |        |
|--------|--------|--------|--------|
| a. 16% | b. 56% | c. 46% | d. 26% |
|--------|--------|--------|--------|

### 2. How many tonnes of rubbish are thrown away from households in Devon every year?

- |        |         |           |            |
|--------|---------|-----------|------------|
| a. 400 | b. 4000 | c. 40,000 | d. 400,000 |
|--------|---------|-----------|------------|

### 3. On average each person in the UK throws away their one body weight in rubbish?

- |                  |                   |                  |               |
|------------------|-------------------|------------------|---------------|
| a. every 7 weeks | b. every 7 months | c. Every 7 years | d. Every year |
|------------------|-------------------|------------------|---------------|

### 4. What is the % of plastic bottles recycled each year in the UK?

- |       |        |        |        |
|-------|--------|--------|--------|
| a. 8% | b. 36% | c. 17% | d. 57% |
|-------|--------|--------|--------|

### 5. How much of our black bin bag waste could have been recycled or composted?

- |        |                 |                                    |        |
|--------|-----------------|------------------------------------|--------|
| a. 20% | b. Roughly half | c. Everything could<br>be recycled | d. 80% |
|--------|-----------------|------------------------------------|--------|

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## Round 3: Resource Box –complete after PowerPoint presentation

1. **How long does it take for Coastal Recycling to turn green waste into compost?**
  - a. 3 months
  - b. 6 months
  - c. 20 days
  - d. 3 years
  
2. **How many plastic bottles do you think it takes to make a Plastic Company bench?**
  - a. 1200
  - b. 800
  - c. 80
  - d. 560
  
3. **What was the reason Sails and Canvas make bags from old boat sails?**
  - a. Material produces CO2 emissions
  - b. Its easy to make bags from
  - c. It cannot be recycled- prevents landfill waste
  - d. No reason
  
4. **How much wax does the Recycled candle company prevent from going to landfill each month?**
  - a. 400 kg
  - b. 300 kg
  - c. 40 kg
  - d. 3 kg
  
5. **Which three recycled materials does Ashortwalk use in the products in the resource box?**
  - a. Fishing nets, plant pots, CD cases
  - b. Plant pots, plastic bottles, foam
  - c. Plastic bottles, yogurt pots, plant pots
  - d. Yogurt pots, plastic, fishing nets
  
6. **How much plastic remains in the environment from the 9 billion tonnes produced between 1950 and present day?**
  - a. 50%
  - b. None- it degrades quickly
  - c. Almost 100%
  - d. 10% - the rest has been recycled
  
7. **How much less raw material does recycled glass kitchen surfaces use?**
  - a. 35%
  - b. 50%
  - c. 60%
  - d. 6%
  
8. **What percentage of plastic waste in the sea is made up of discarded fishing nets?**
  - a. More than 10%
  - b. 1%
  - c. 5%
  - d. None, all nets are recycled
  
9. **Recycling 1 plastic bottle can produce enough energy to power a lightbulb for up to...**
  - a. 10 minutes
  - b. 30 minutes
  - c. 6 hours
  - d. 2 hours
  
10. **Can you draw a circular diagram for any product you remember?**

# Circular Economy Quiz



Product:

