Circular Economy Quiz

Round 1: Warm Up Round

1. What are the 3 R’s?
      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 from tree bark  c. Bones from fossilised animals  d. Occurs naturally and is 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 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?
Product: