

## Think



- What are these?
- What do they do?
- Where would you find them?
- What are they made of?



## Respond



Write an advert for a form of renewable energy. Use persuasive language and explain why your target audience should buy your product.

## Reimagine



Choose a way of making renewable energy and create your own design for it. Try and make it as visually appealing as possible.

## Discuss



Many people object to wind turbines and solar farms as they believe they are visually unappealing. What do you think? Are they eyesores, or are they a necessity that we need to become used to? What are the alternatives? Are they any more attractive?

## Solve



The average size of solar panels for homes in the UK is 65 inches by 39 inches. Can you work out the area?

**Challenge:** If a house has four solar panels of this size on its roof, with the shorter ends side by side, what is the total area they cover?

## Discover



**Fact:** Energy produced by solar panels was the major reason the national grid went without coal power for 24 hours in April 2017, for the first time since the Industrial Revolution.

**Question:** Why is this such a landmark event? What could it mean for the future? What are the negative effects to the environment by using coal?

# Energy Answers

Can you work out the area?	What is the total area they cover?
$65 \times 39 = 2535$ square inches	$65 + 65 + 65 + 65 = 260$ inches $260 \times 39 = 10\,140$ square inches 