

Have I Got Climate Science for You? Quizmaster score sheet

1. Open the quiz: www.sciencemuseum.org.uk/climatequiz
2. Provide four pre-filled envelopes, a fist-sized lump of modelling clay and a small dry-wipe board and cloth (or paper) and marker pen for each team.

Round	Correct answer	Scoring	Teams' scores					
			1	2	3	4	5	6
1. If I ruled the world Use the modelling clay to create a team logo to show how you would combat climate change. Present the idea back to the other teams.	N/A	The number of votes received is the score						
2. Odd one out Envelope 1 – choose which of the four pictures does not fit the theme.	1. C (Klein bottle)	10 points						
	2. B (oxygen)	10 points						
3. The truth will out Envelope 2 – each team reads the topic statements then decides which statement is correct.	1. Cow burps are worse than cow farts	10 points						
	2. Average temperature higher in 2012–2017 than 1998–2003	10 points						
	3. All are correct except towing Earth away from the Sun	10 points for each correct answer						
4. Picture this Teams are shown three objects from the Science Museum's <i>atmosphere</i> gallery. What are they used for? Answers on the dry-wipe board (or paper) .	1. To collect atmospheric gas samples	10 points						
	2. Futuristic idea to take carbon dioxide out of the air	10 points						
	3. Monitors how much energy households use. Why? So they can cut down	10 points + 5 bonus points						
5. Supermarket challenge 'Supermarket basket envelope' – order the grocery cards from highest to lowest in terms of their life-cycle carbon footprint.	Milk (highest), cola, bread, juice, crisps, sugar (lowest)	10 points for each item in the correct position + 20 bonus points if all are in the correct order						
6. What happens next? Teams watch a video clip of an experiment using a candle in a tube and a heat camera. What happens to the flame when carbon dioxide is added to the tube? Use the dry-wipe board (or paper) to state whether the flame gets bigger, gets smaller or disappears.	The flame disappears because heat energy from the flame is absorbed by the carbon dioxide	10 points						
Add up subtotal while students are doing round 7, then add on final scores at the end of round 7.		Subtotal of rounds 1–6						
7. Building on your experience Use construction bricks to represent what climate change means to your team. Present the idea back to the other teams.	N/A	The number of votes received is the score						
Pause the film if necessary and get ready to announce winners in the wrap-up. Hand out prizes (optional).		Extra bonus points (at your discretion)						
		Final total						