

## Does it matter? TV programme

### Role cards A

#### Role card

#### Host, Alex Alexander

You will introduce the show, ensure that the conversation runs smoothly and, if there is time, invite people from the audience to make a point or to question the guests.

1. Welcome the viewers and the audience to the show.
2. Announce this week's topic, 'The Greenhouse Effect – does it matter?'
3. Introduce the specially invited guests (as described in the extract from the TV paper).
4. Give some background information:
  - The amount of carbon dioxide in the atmosphere is increasing. Nobody is sure what the effects will be but many scientists believe that the world is getting warmer.
  - They blame:
    - (i) the increase in burning of fossil fuels, such as coal, gas, oil
    - (ii) the felling of forests, especially tropical rainforests.
5. Ask each of your guests a different question and invite them to express their point of view.
6. Ask members of the audience if they have a question to put to the panel or a point to make.
7. Finish the programme by:
  - (i) summing up the points made in the programme
  - (ii) thanking the guests and the invited studio audience.

## Role card

### Researcher

Your task is to ensure that the host has questions for the interviews with the guests.

## Role card

### Researcher

Your task is to ensure that the guests have interesting ideas to contribute to the discussion and good answers to any questions that the host may ask.

## Role card

### Furniture manufacturer, Arthur Plank

Your furniture manufacturing business has been in the family for three generations.

You make tables and chairs from hardwoods which come from tropical rainforests. Your agent buys large areas of forest cheaply from ranchers who want to clear their land.

You could buy hardwood from a producer in Indonesia who replants the areas of forest, which have been felled. This would cost more. Your profit margins are so small that using a more expensive supplier might cause your firm to become bankrupt. Families, which have been employed by your firm for generations, could lose their livelihood.

## Role card

### Electricity company director, Paula Watt

You help to run a new electricity generating company.

Your company is buying old power stations and reconditioning them. This is much cheaper than building new ones although they are less efficient to run. Your company believes it can keep the price of electricity low by using cheap imported coal.

You should be able to undercut the prices charged by other companies to the benefit of the consumer. You want people to use more electricity so that your company can grow fast and make a good profit.

## Role card

### The cattle rancher, Juan Vaqueiro

You and your wife have a large family and live in a large ranch house. The land you ranch was once forest. You have cleared the land but the grazing is poor because the soil is now infertile because the minerals have not been replaced. Overgrazing has caused bare patches so the soil is blowing away. The cattle need more grassland to allow the grass time to grow before it is grazed.

You need to sell more beef cattle for export. Your country is very poor and has large debts to the richer countries. This has caused a high level of inflation, so the goods in shops become dearer each day.

Many of your workers have already left the countryside and moved into the slums in the cities. In the cities the death rate is high, especially for babies. If you clear more forest you can continue to employ a large workforce and provide them with houses and medical care. If you cannot expand your grazing area you will have to pay off many workers.

## Role card

### Scientist, Ann Ellis

You have worked for the British Antarctic Survey for 30 years. In your research you have found a strong link between carbon dioxide levels in the atmosphere and the temperature of the Antarctic.

You have been studying bubbles of air trapped in the snow over the last 160 000 years. Your research shows that in the past, the temperature of the atmosphere rose when carbon dioxide levels were high.

Your research suggests that global warming could cause melting of the icecaps at the poles. If this happens, sea levels will rise 5 metres, according to your calculations. The ordinary person in the street is unaware of the seriousness of the problem. Much of the world's low-lying land will be below sea level. Pacific atolls will be flooded as well as cities like London and much of the world's fertile land surrounding rivers. You have agreed to take part in the programme to try to convince people of the possible consequences of global warming.

## Role card

### Film crew

Your task is to record the debate using a digital camera.

You need to think about where to set the camera to get the best shots of both the stage area and the audience, without restricting anyone's view.

## Role card

### Photographer

Your task is to take photographs of the host, guests and audience as they prepare for the debate.

Use the photographs to produce a display board to advertise the debate or for a PowerPoint presentation to run as the host, guests and audience arrive for the debate.

# Carbon footprints and the greenhouse effect

Audience roles (Female)	Audience roles (Male)
A: You are Doris Old, pensioner	N: You are Nigel Nuke, a worker in a nuclear power station. Nuclear power does not produce any greenhouse gases.
B: You are Gabrielle Green, a prominent member of Friends of the Earth.	O: You are Ivan Acre. You farm low-lying land near a river. Last year part of your farm was flooded by seawater when spring high tides coincided with heavy storms.
C: You are Winifred Winney, mother of five and member of the Women's Institute	P: You are Terence Tube, chairman of London Underground.
D: You are Mary Mawani, an overseas student from a coral island in the Pacific Ocean. The highest point of your homeland is only 5 metres above sea level.	Q: You are Hans Schulz, a German scientist. You have discovered that methane gas produced by cows is contributing to the greenhouse effect.
E: You are Gloria Slim, American fashion model.	R: You are Mr Lee, a timber merchant from Indonesia.
F: You are Tessa Helps, Mr Plank's secretary.	S: You are Nasim Khan, from Bangladesh. Most of the land of your country is low lying and would be flooded if the sea level rose.
G: You are Ann Word, science editor of a national newspaper.	T: You are Joseph Joiner, employed in Mr Plank's furniture factory for 30 years. Your son has just joined the company.
H: You are Rosa Medina, a doctor working in the slums of a South American city.	U: You are Robert Rump, owner of an American chain of steak houses called the Roasted Rib.
I: You are Freda Storm, a climatologist from the University of East Anglia. Your research involves predicting how the Earth's climate will change.	V: You are Marcel Leblanc, chef at one of London's smartest restaurants.
J: You are Katy Carr, a sales and marketing executive for the Acme Motor Company.	W: You are Randy Gold, multi-millionaire pop star.
K: You are Sarah Smith, a biologist working for the WWF. You are making a special study of the animals of the tropical rainforest.	X: You are Father Patrick O'Neal. You run a mission in the slums of a South American city.
L: You are Caroline Cooper-Jones, city stockbroker and financial analyst.	Y: You are Pedro Rodriguez, a ranch hand from Brazil.
M: You are Samantha Storr, the founder of a chain of furniture superstores, recently voted business woman of the year.	Z: You are Sven Borg, a Swedish ecologist.