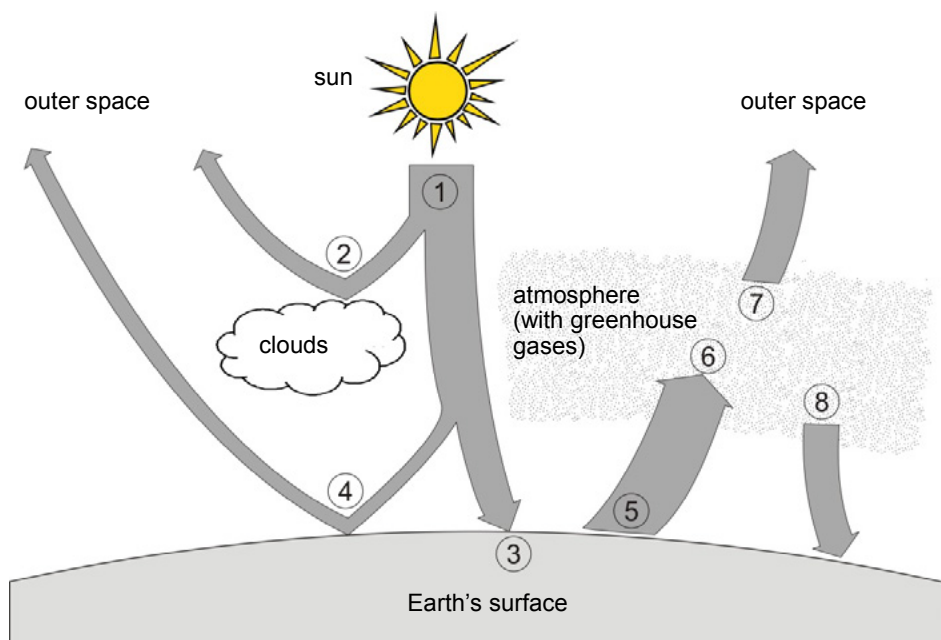


## Worksheet 2 (answer sheet): Greenhouse effect in a drinking cup – A model for illustrating climate change

### Task

With the help of the text boxes write down 8 sentences to the numbers in the diagram. Elements from the text boxes can be used more than once.



atmosphere  
Earth's surface  
sun  
clouds

absorb  
emit  
reflect

a portion of the heat radiation  
heat radiation

into  
to

Earth's surface  
outer space

1. The sun emits heat radiation to the Earth's surface.
2. The clouds reflect a portion of the heat radiation into outer space.
3. The Earth's surface absorbs a portion of the heat radiation.
4. The Earth's surface reflects a portion of the heat radiation into outer space.
5. The Earth's surface emits heat radiation.
6. The atmosphere absorbs a portion of the heat radiation.
7. The atmosphere emits a portion of the heat radiation into outer space.
8. The atmosphere emits a portion of the heat radiation to the Earth's surface.