Daily and Seasonal Changes Test

1. Circle True or False:
   
a) A sequence is a list of things in order.  
   
   T  F

   b) A cycle has a start and end. 
   
   T  F

   c) Electricity is the Earth’s biggest light source.  
   
   T  F

   d) The sun is the Earth’s biggest heat source.  
   
   T  F

   e) It is normally hotter in the daytime. 
   
   T  F

   f) It is normally lighter out at night. 
   
   T  F

   g) It normally gets cooler in the afternoon. 
   
   T  F

   h) In the morning it starts to get darker. 
   
   T  F

   i) Swimming is a daytime activity.  
   
   T  F

   j) Owls are most visible at daytime.  
   
   T  F

   k) Seasons make animals change their behaviour.  
   
   T  F

   l) The seasons do not affect plants.  
   
   T  F

   m) The seasons do not affect humans.  
   
   T  F

2. Draw and label the sequence of eating ice cream.

   - 1 mark shows two things to do with ice cream, in order (not necessarily eating it)
   - 2 marks for three things to do with ice cream in order (not necessarily eating it)
   - 3 marks if 3 logical steps, in order
   - 4 marks if more than 3 logical steps, in order, showing order with arrows or numbers
3. Draw or write a cycle (any cycle you wish).

- 1 mark for a sequence
- 2 marks if knowledge of cycle is shown
- 3 marks if all parts to a cycle are listed, in order
- 4 marks if all parts to the cycle are listed, in order, and arrows are used to show the cycle

4. During which season do we have the **most** daylight?
   
   Summer
   
5. During which season do we have the **least** daylight?
   
   Winter
   
6. Why does Earth have seasons?

   Because the Earth is tilted, so we get more sunlight during summer. During winter we are facing away from the sun, so we get less sunlight. The amount of light affects the temperature.
7. Draw a picture of something that an animal does when the seasons change. Explain why this happens.

- 1 mark for stating a seasonal behaviour (hibernating, migrating)
- 1 mark for showing an understanding of when it happens
- 1 mark for showing an understanding of why it happens

8. What have humans done to allow us to play hockey all year long?

Hockey is a winter sport because it needs to be cold to have ice.
Humans have built indoor hockey rinks so we can keep the ice cold when it is hot outside.

9. Why do humans use more natural gas in their homes during the winter?

Natural gas is used in furnaces. In the winter it is colder than in the summer. When it is colder we need to turn our furnace on more, which takes more natural gas.
Seasons

WINTER  HOT  HIBERNATE
SPRING  SNOW  MIGRATE
SUMMER  RAIN  TILTED
FALL  LIGHT  SUN
COLD  DARK  CHANGES