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CAMBRIDGE

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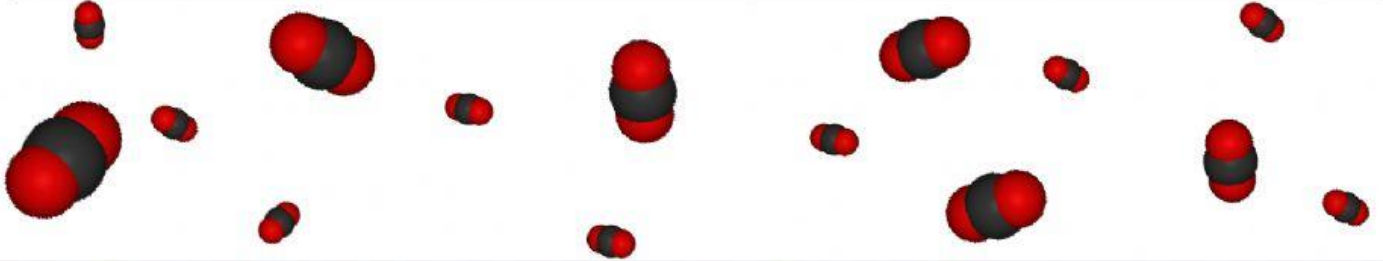
# GRADE – 7 REVISION

TR – ASMA BEGUM

 **LIVEWORKSHEETS**

# Why do biologists care about Carbon?

- \_\_\_\_\_ is the main constituent of all living cells.
- Living things need \_\_\_\_\_ to make most of the molecules in our body (fats, carbohydrates, nucleic acids (DNA) and proteins)



Carbon is abundant in the air as \_\_\_\_\_  $CO_2$ .



*Which is great news for plants.*

*They can't eat food, so they make their own sugar by \_\_\_\_\_.*

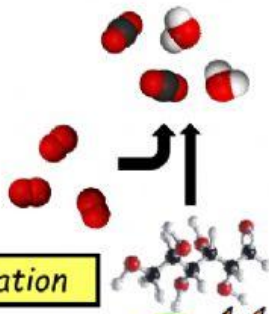


Which is great news for \_\_\_\_\_, as they can eat plants and use the energy in the food to move and build their bodies.

To move and grow, both plants and animals need to break down \_\_\_\_\_ to **release** that \_\_\_\_\_. This is called as \_\_\_\_\_.



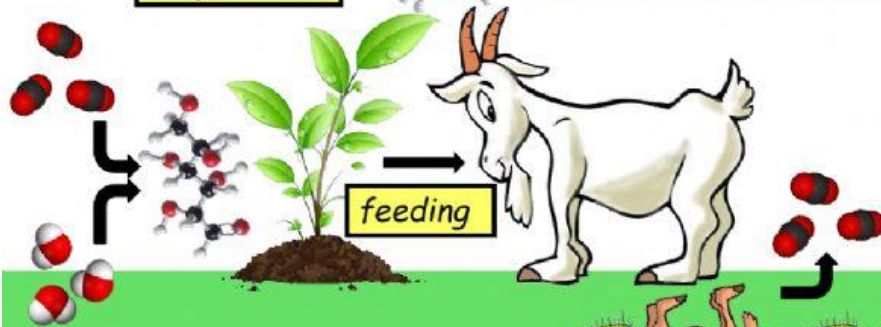
photosynthesis



respiration

Some day, this goat will die. which is great news for decomposers like \_\_\_\_\_ and \_\_\_\_\_.

They break down dead organisms and in doing so, release the \_\_\_\_\_ into the air as \_\_\_\_\_ ( $\text{CO}_2$ ).

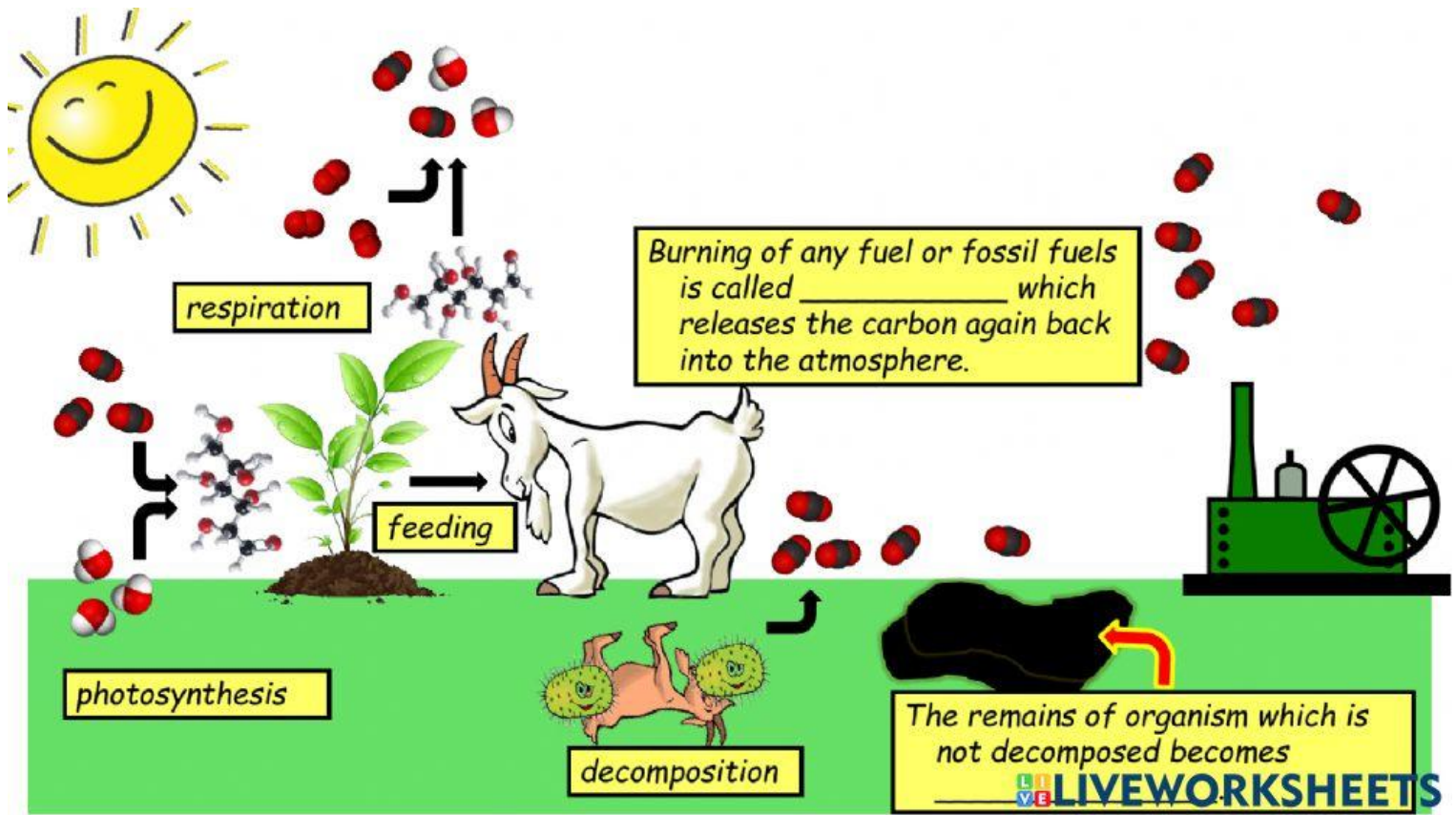


feeding

photosynthesis



decomposition





# Transmission of Heat

1. Which of the following is not a method of heat transfer?

- a) Conduction      c) Convection      b) Condensation      d) Radiation

2. Heat transfer by conduction:

- a) is not possible from human beings to their environment.
- b) does not occur from light bulbs – they are too bright.
- c) requires some sort of material to facilitate the heat transfer.
- d) (a) and (b) and (c).
- e) None of the above.

3. Which of the following is the best conductor of heat?

- a) Air      b) Water      c) Plastic      d) aluminium

4. Which of the following is the worst conductor of heat in the group?

- a) Air      b) Plastic      c) A vacuum      d) Aluminium

5. The fact that, in general, liquids and gases expand when heated gives rise to:

- a) Convection currents in fluids due to changing masses.  
b) Convection currents in fluids due to changing densities.  
c) Heat transfer by conduction.  
d) Convection currents in fluids due to constant temperatures.

6. In which of the following can convection currents be set up?

- a) Air      b) Plastic      c) A vacuum      d) Aluminium



7. The process by which aquatic life forms at the bottom of the ocean can get the oxygen they need to live is related to heat transfer by

- a) Conduction      b) Radiation
- c) Convection      d) None of these; aquatic life does not require oxygen.

8. Convection currents can be caused by:

- a) weather patterns.      d) (b) and (c) but not (a).
- b) unequal heating of the earth's surface.      e) (a) and (b) and (c).
- c) thermal expansion.

9. The predominant method of heat transfer that causes a pot of water to boil is

- a) Conduction      b) Radiation      c) Convection      d) Boiling