



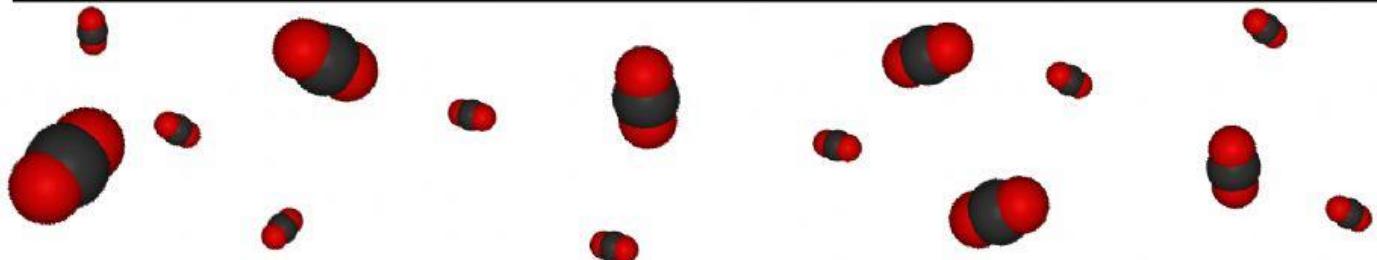
GRADE – 7 REVISION

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.

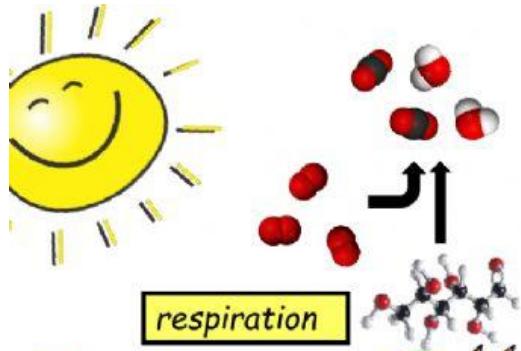
They can't eat food, so they make their own sugar by _____.

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 _____.

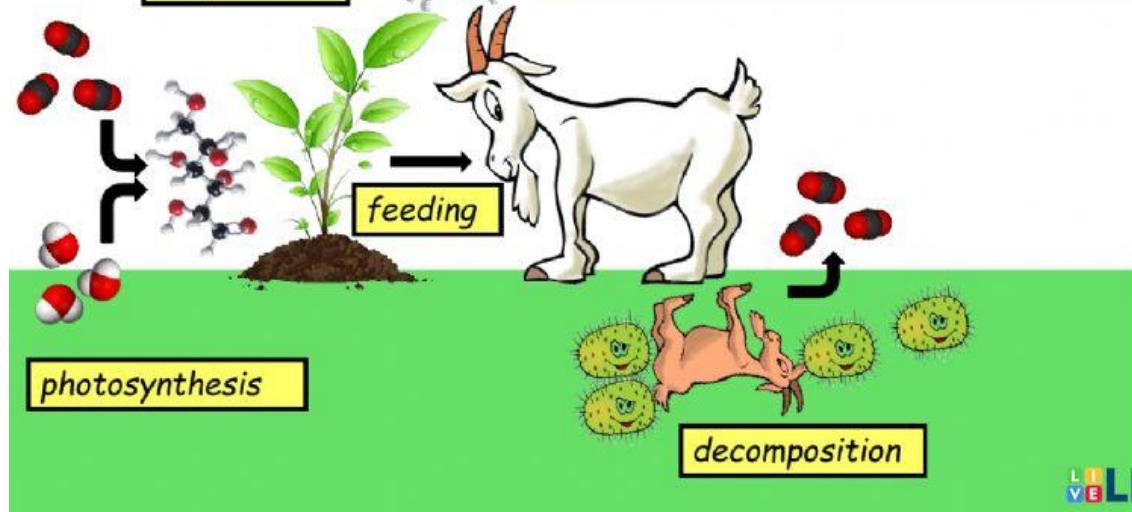


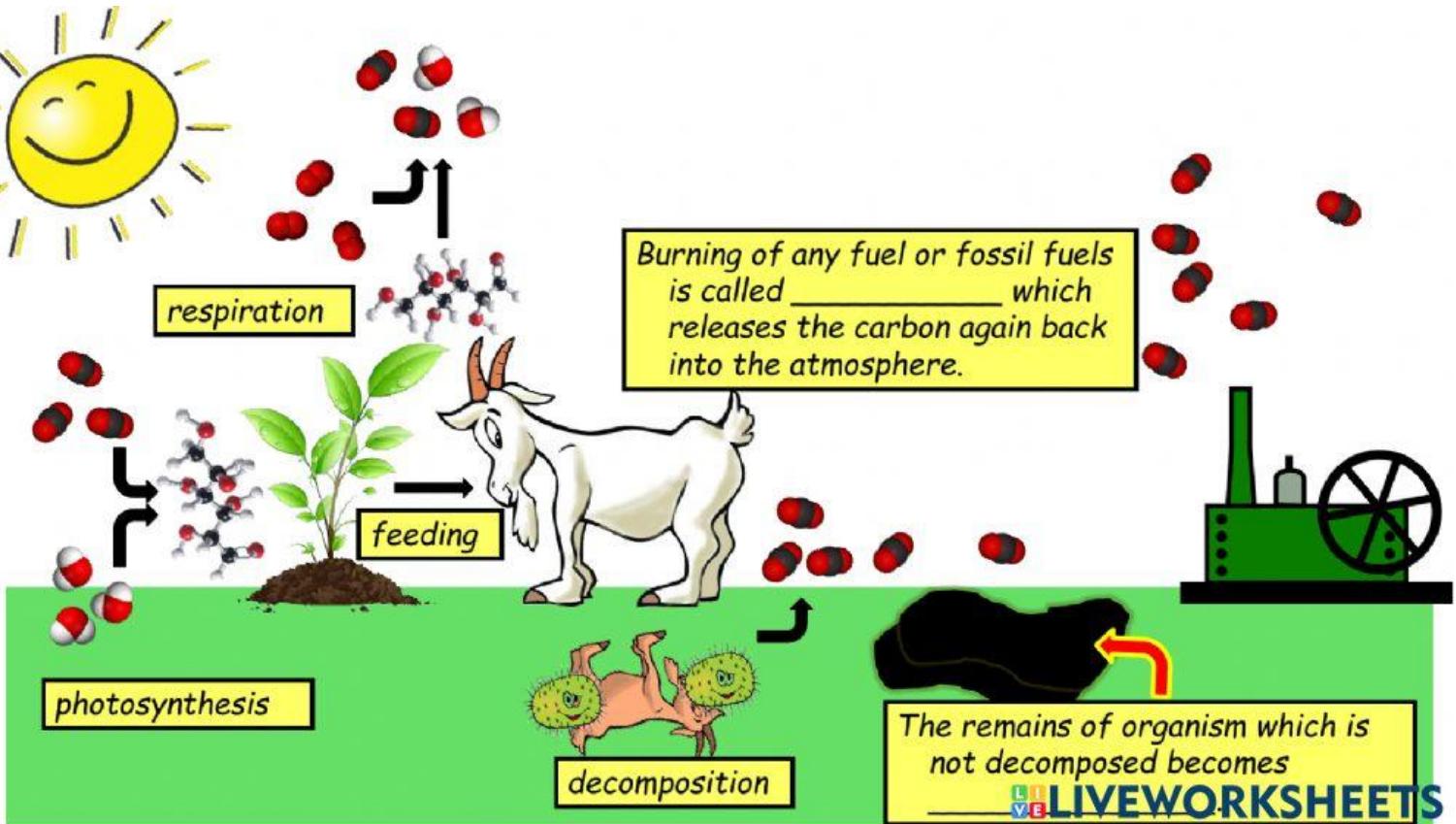
photosynthesis



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 _____ (CO₂).





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

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

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