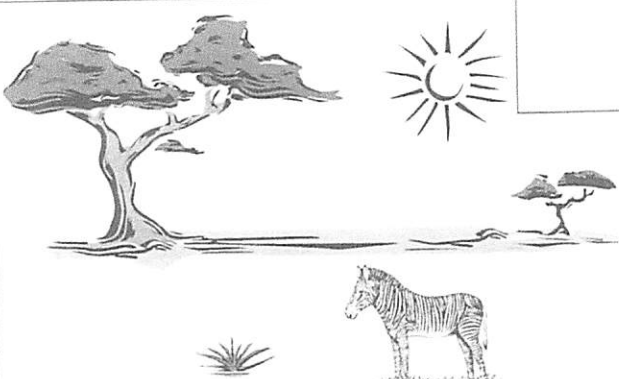
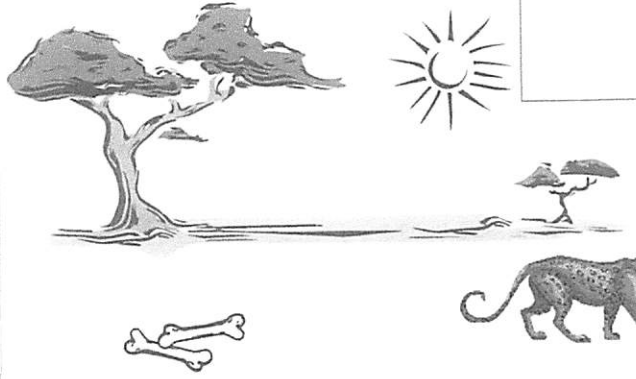


Worksheet: Energy Flow

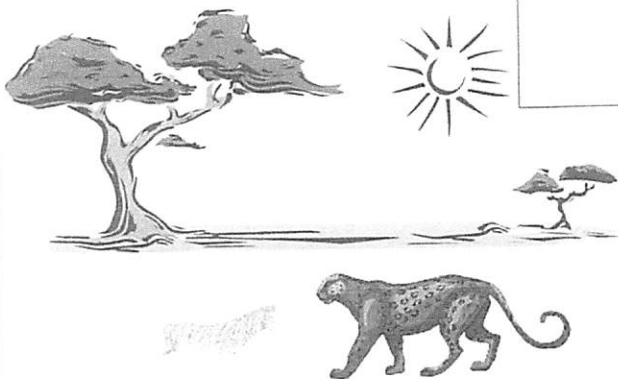
Number the pictures (1-5) to show energy flow through the ecosystem.



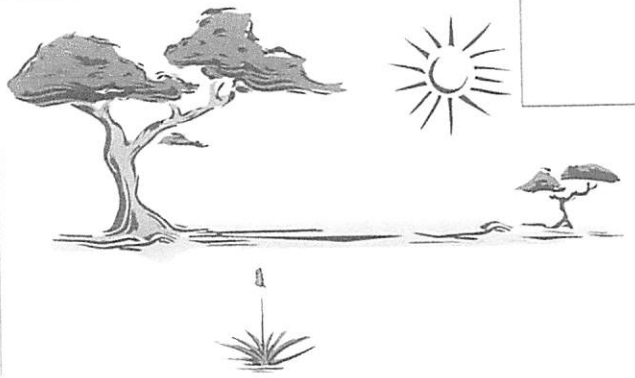
Plant is ingested by zebra. 100,000 energy units available for zebra's needs.



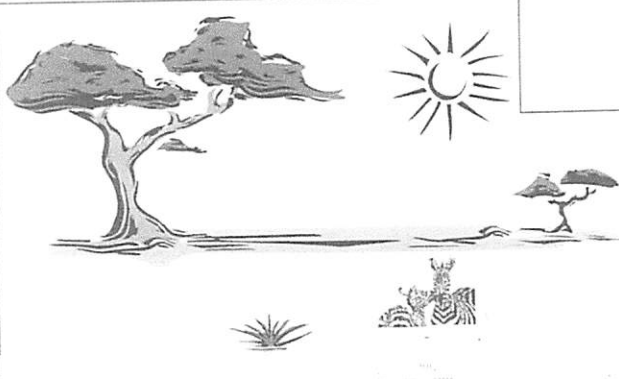
Predator's tissues retain 1,000 units of energy.



Predation occurs with transfer of energy to predator.



Light energy is converted to 100,000 units of chemical energy retained in plant tissue.



Zebra uses energy for growth, movement and mating. 10,000 units are retained in zebra's tissue.

Questions:

What percentage of energy at one level is transferred and retained at the next level?

Why does the predator retain only 1,000 units of energy?

In what form does energy from the organisms enter the atmosphere?