



# **SNS COLLEGE OF TECHNOLOGY**

Vazhiampalayam, Coimbatore-35

**(An Autonomous institution)**

Accredited by **NBA-AICTE** and Re-Accredited by **NAAC-UGC with A+ Grade**

Approved by **AICTE**, New Delhi & Affiliated to **Anna University**, Chennai



## **DEPARTMENT OF PHYSICS**

**COURSE NAME : 19HST102- ENVIRONMENTAL SCIENCE**

**I YEAR / II SEMESTER**

**UNIT : 1. ECO SYSTEM**

**TOPIC : 3. FOOD CHAIN & FOOD WEB**

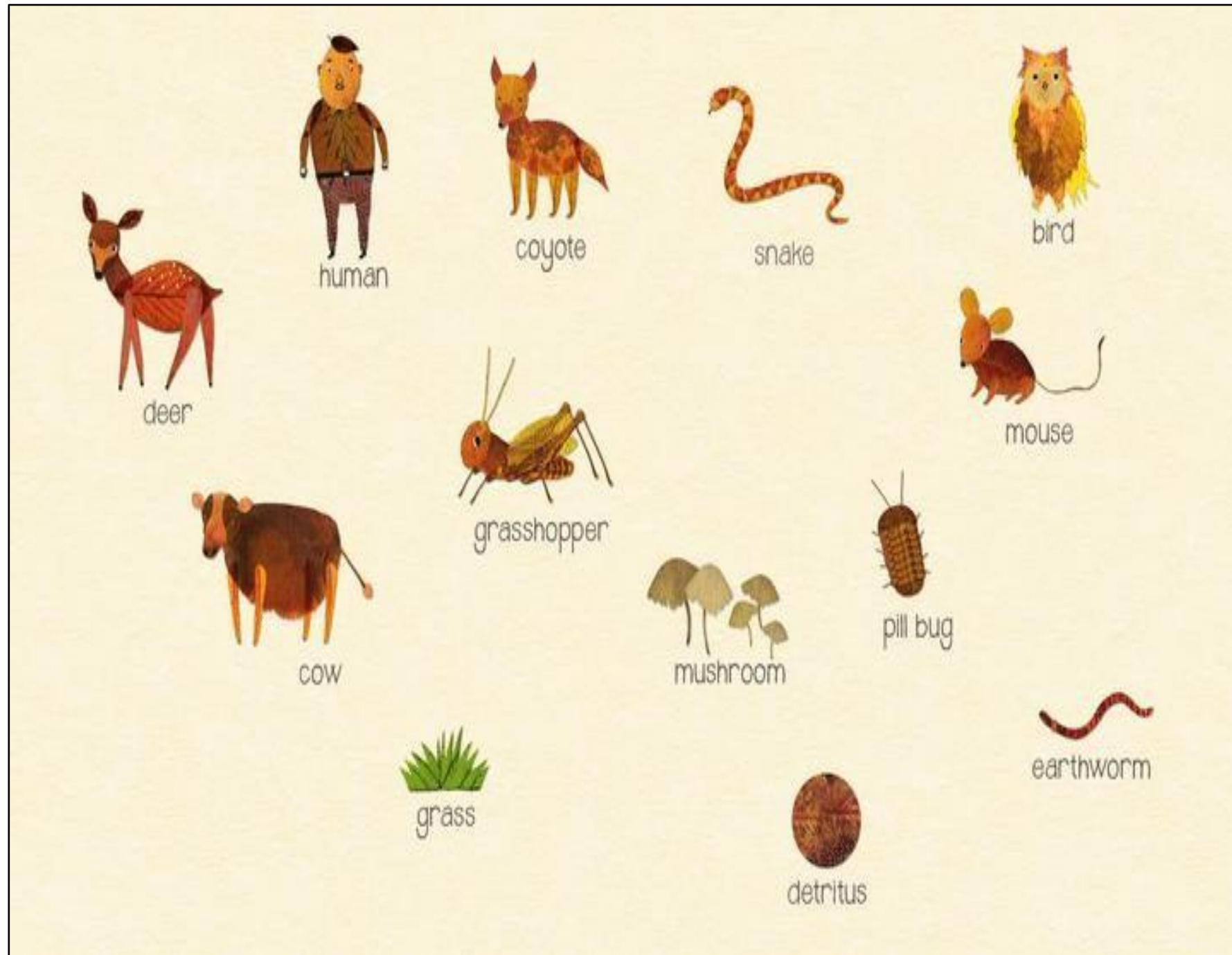


# BRAINSTORMING WITH RECAP

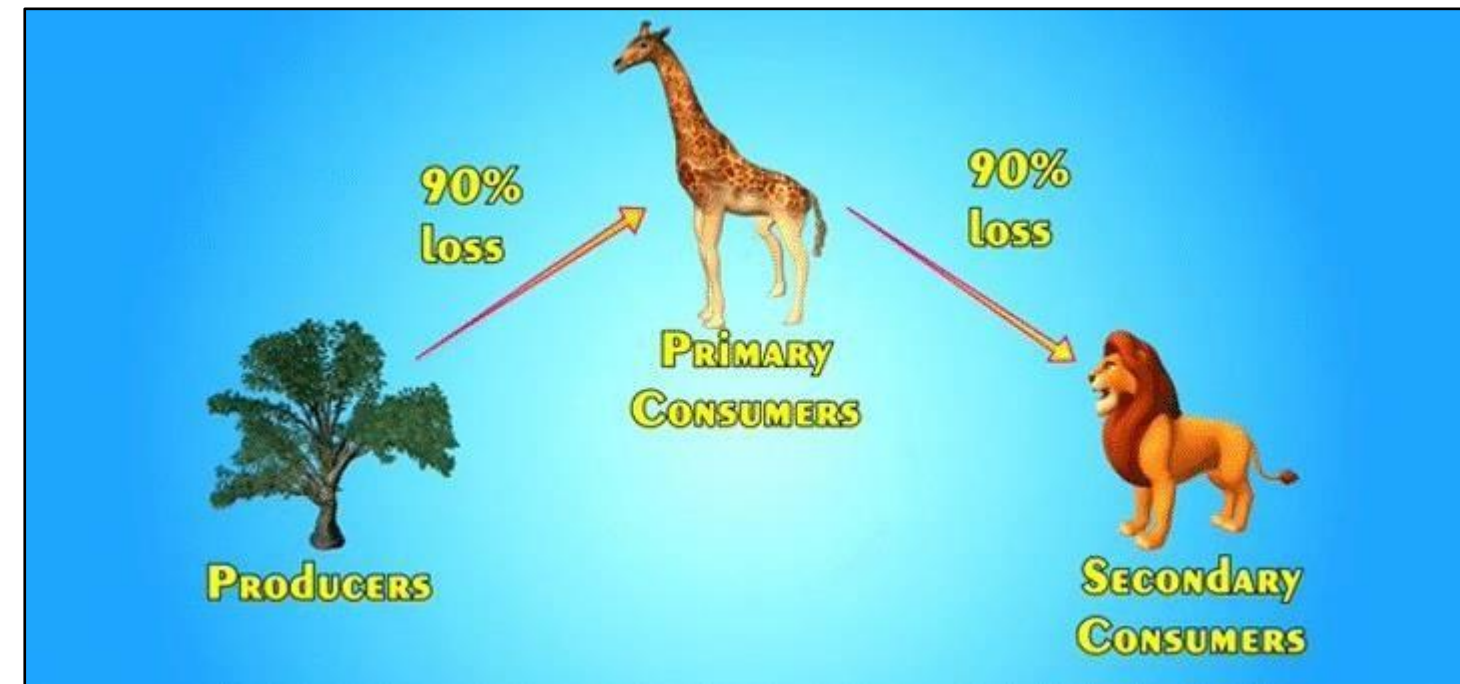




# FOOD CHAIN



The sequence of eating and being eaten in an ecosystem



Transfer of food energy from the plants through a series of organisms



# FC IN GRASS LAND





# FC IN POND



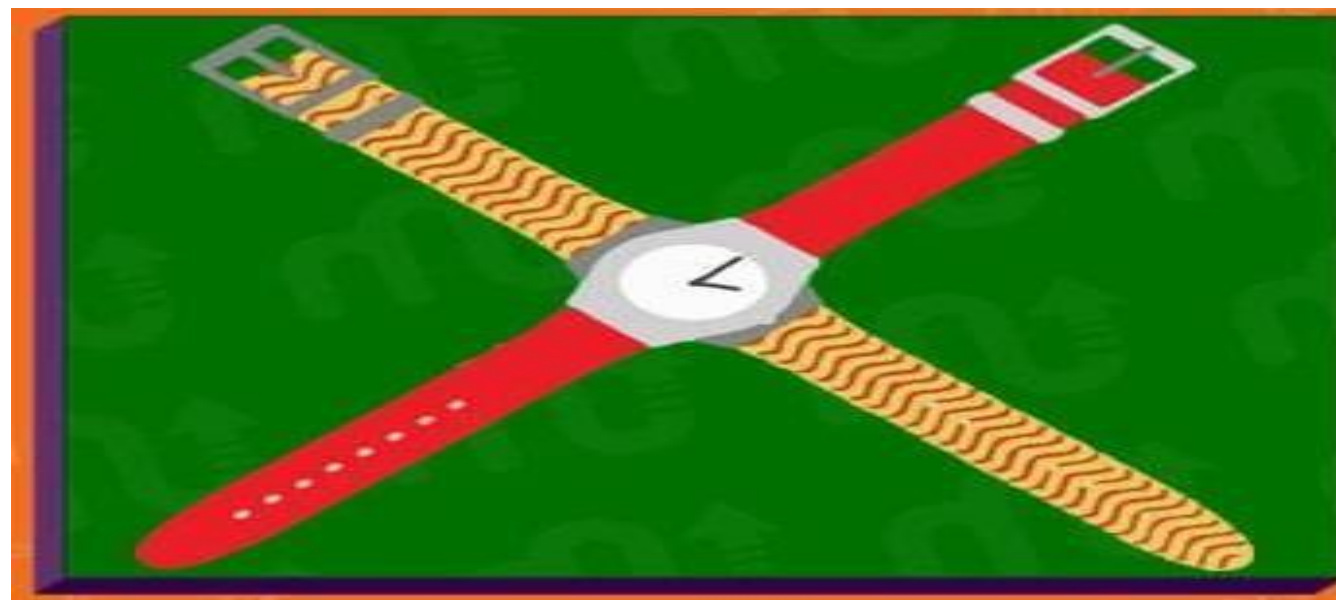




# Activity

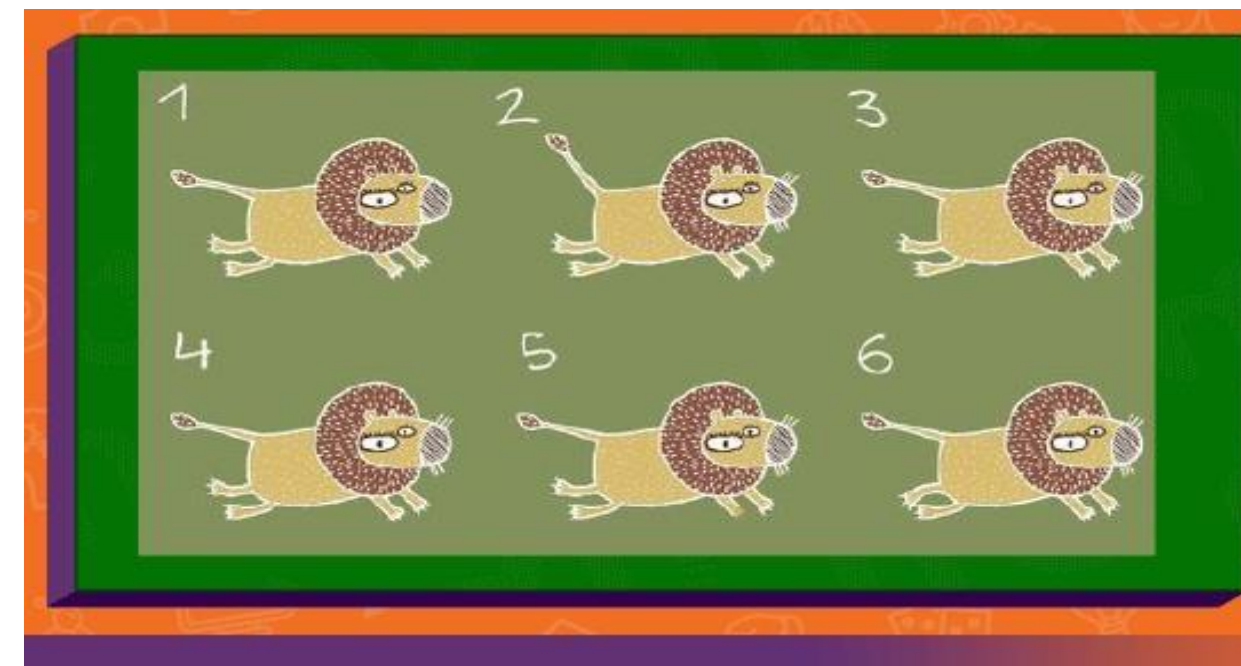


• Sophie and Caroline made arrangements to meet at a cafe at 2 p.m. Sophie thinks her watch is 25 minutes fast, although it is 10 minutes delayed. Caroline thinks her watch is 10 minutes slow, while it is 5 minutes soon. What will happen if they both aim to arrive precisely on time? □



**Ans :** Sophie will be 35 minutes late. Caroline will arrive at 1:45 P.M, 15 minutes ahead of time.

• Find the same lion



**Ans :** 3 & 4

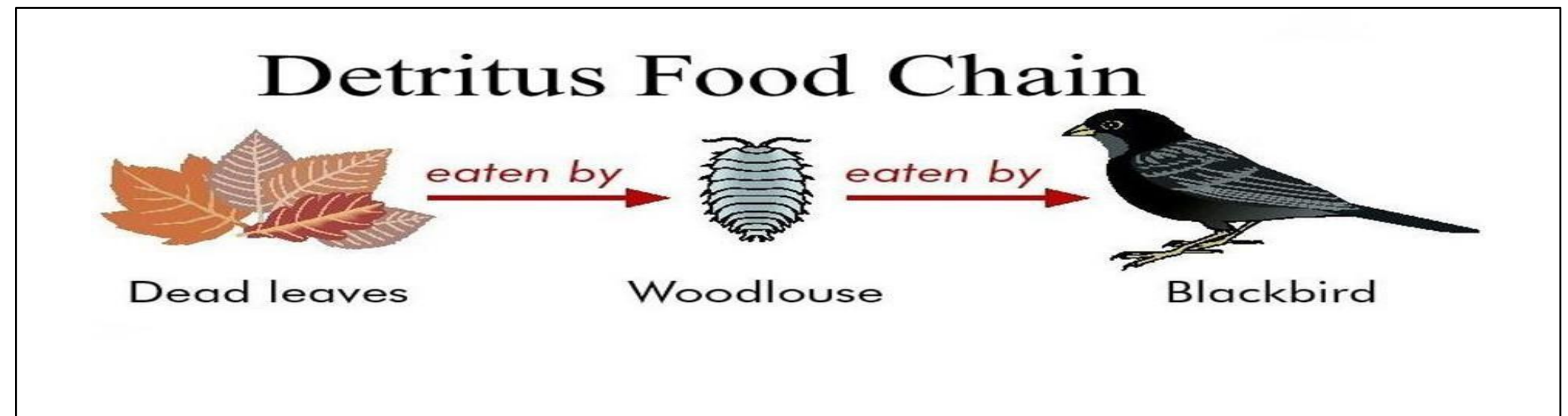


# TYPES OF FOOD CHAIN



**Grazing: grass to decomposers**

**Detritus: Dead organic matter to decomposers**



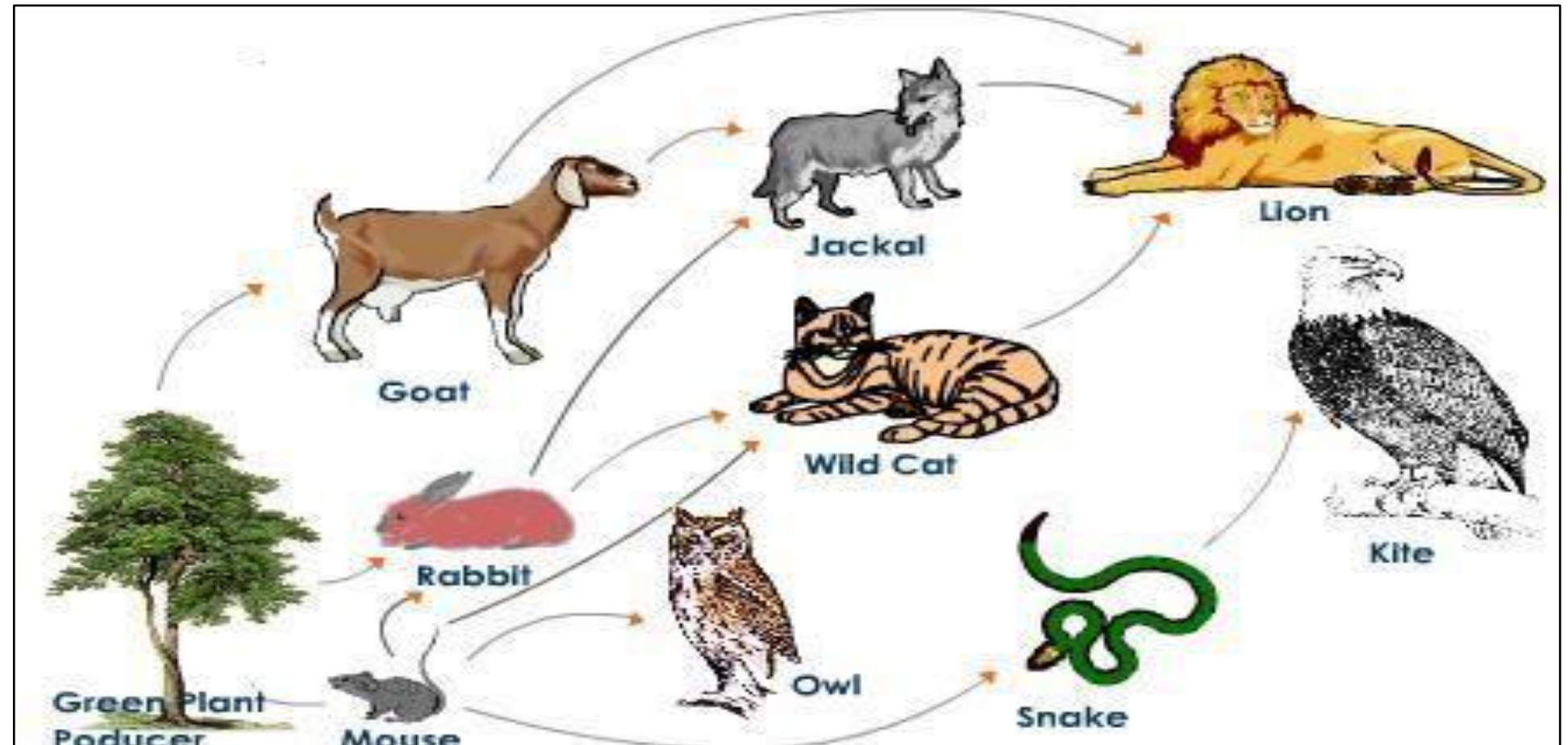
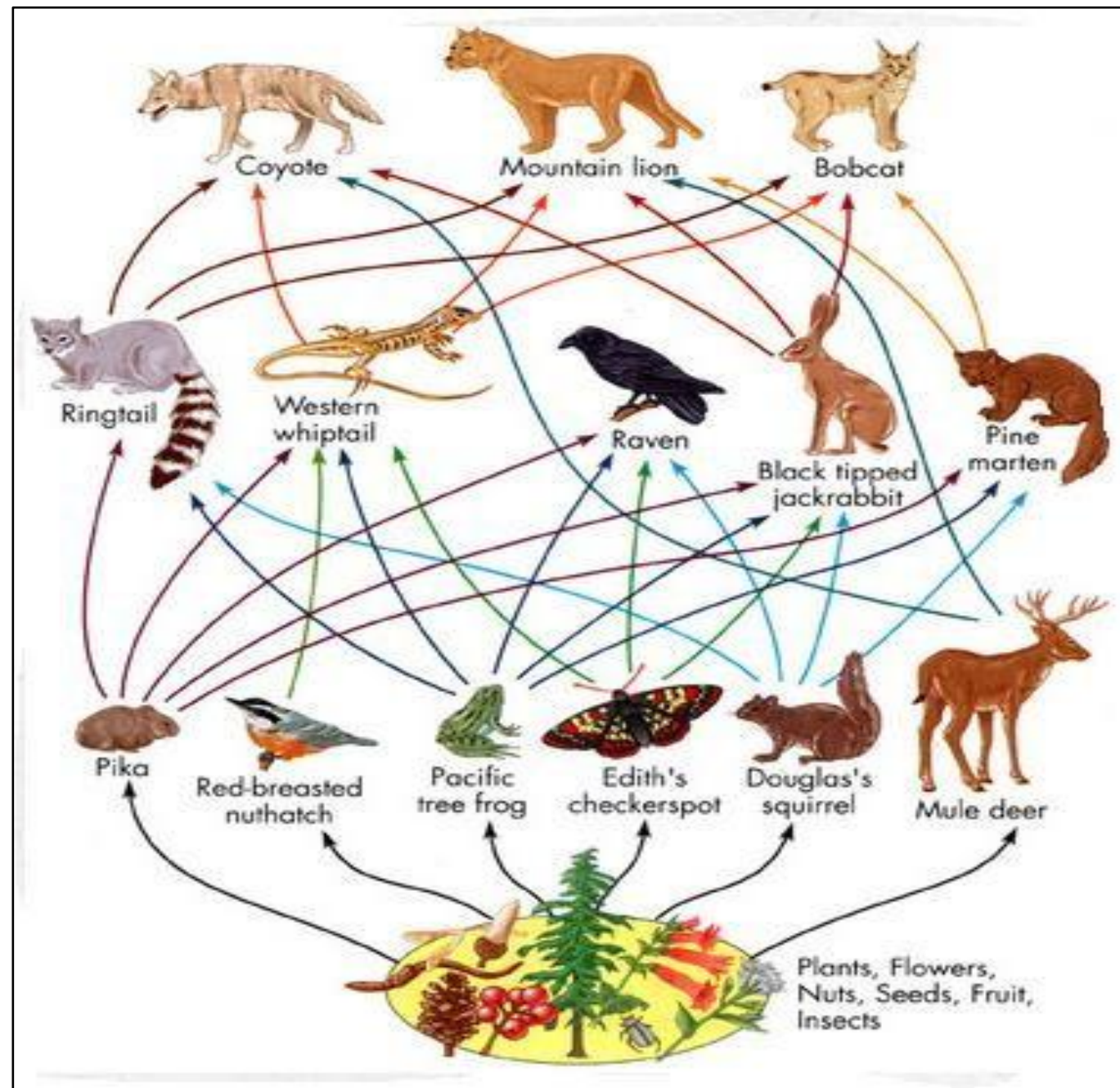




# FOOD WEB



The interlocking pattern of various food chain in an ecosystem



**BIOMAGNIFICATION:** Conc. of the non biodegradable materials keep on increasing at each trophic level



# ASSESSMENT



- **Draw flow chart for various food chain**

- **Draw flow chart for food web.**



# SUMMARY



# REFERENCES



1. Dr. A.Ravikrishnan, Environmental science & Engineering” Srikrishna hitech Pub. Co. Ltd,2013.
2. G.Tayer Miller :Environmental Science”, Cenage Learning India Pvt Ltd, 2011.
3. Benny joseph, “Environmental science & engineering” Tata McGraw-Hill.Pub.Co.Ltd. New Delhi.2009.