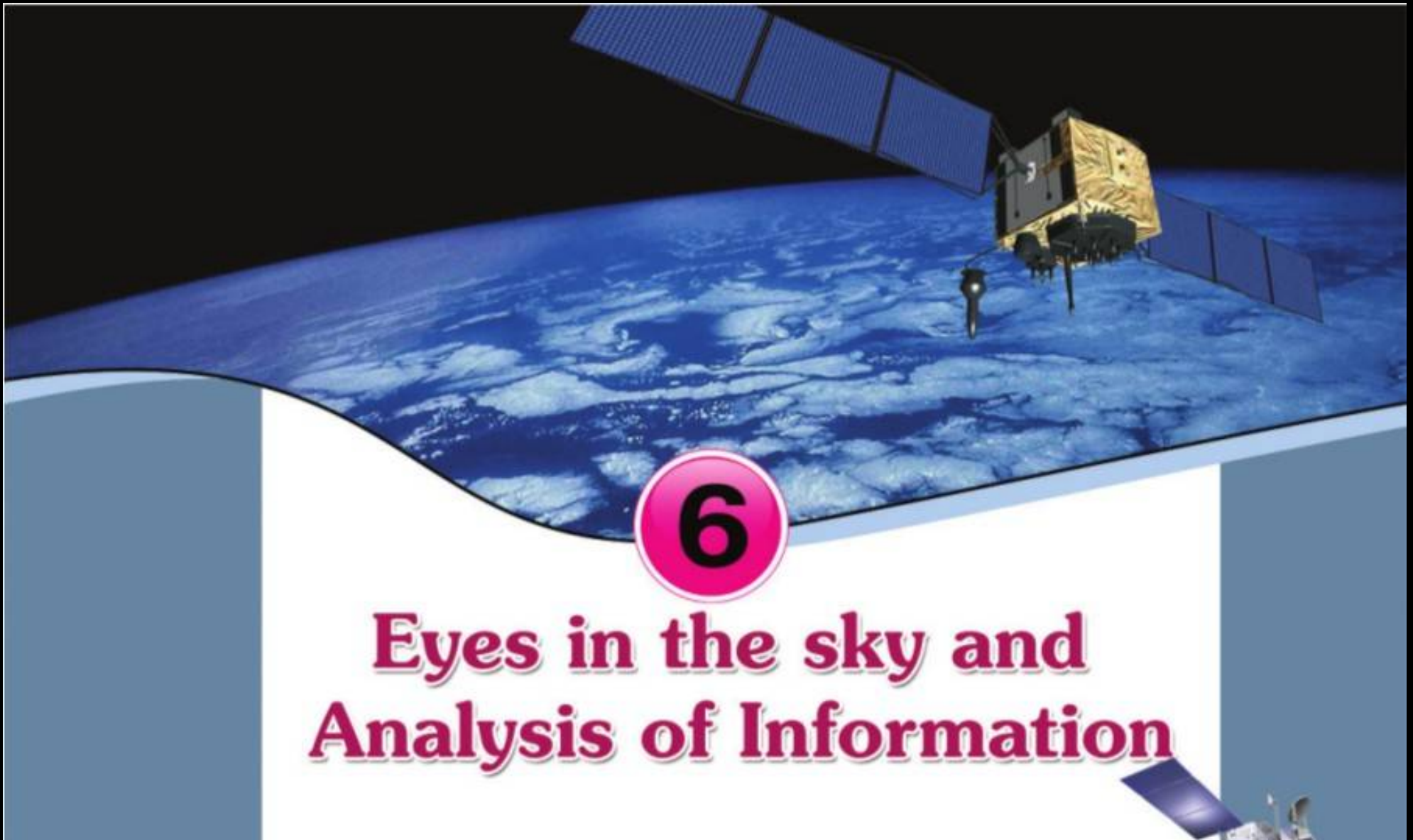
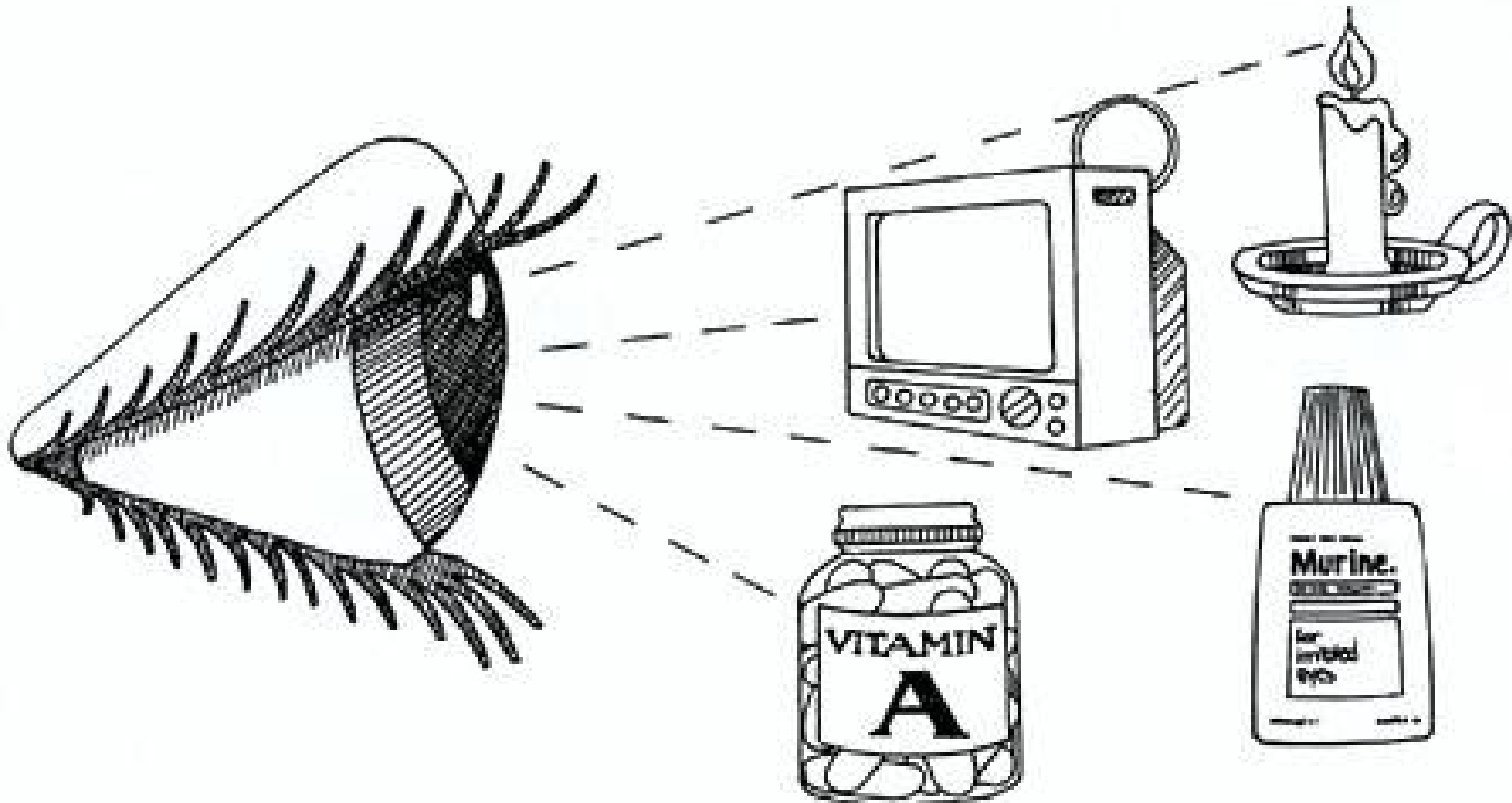


Class-1



Eyes in the sky and Analysis of Information

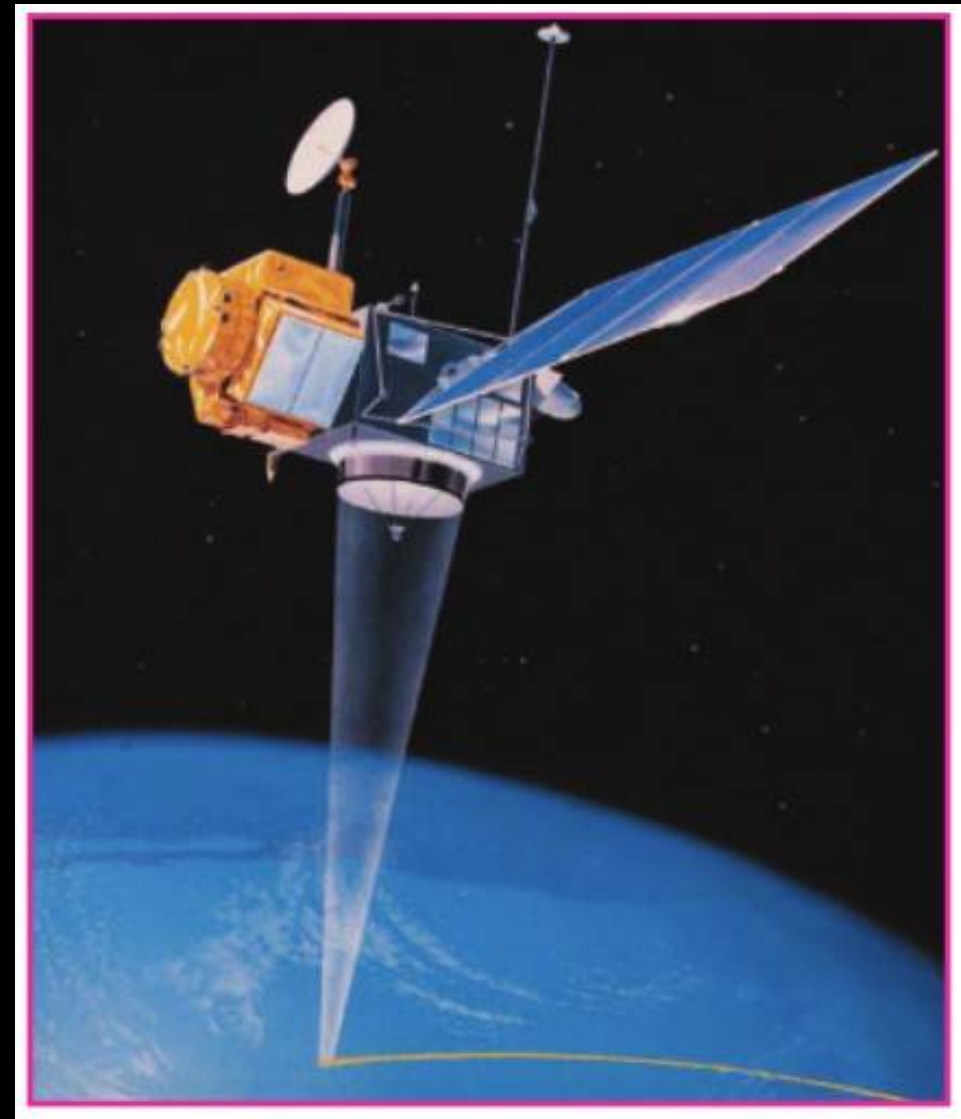
What is Remote Sensing



Method of collecting information about an object, place or phenomenon without actual physical contact is known as remote sensing.

BIJU K K, GHS TUVVUR, MALAPPURAM

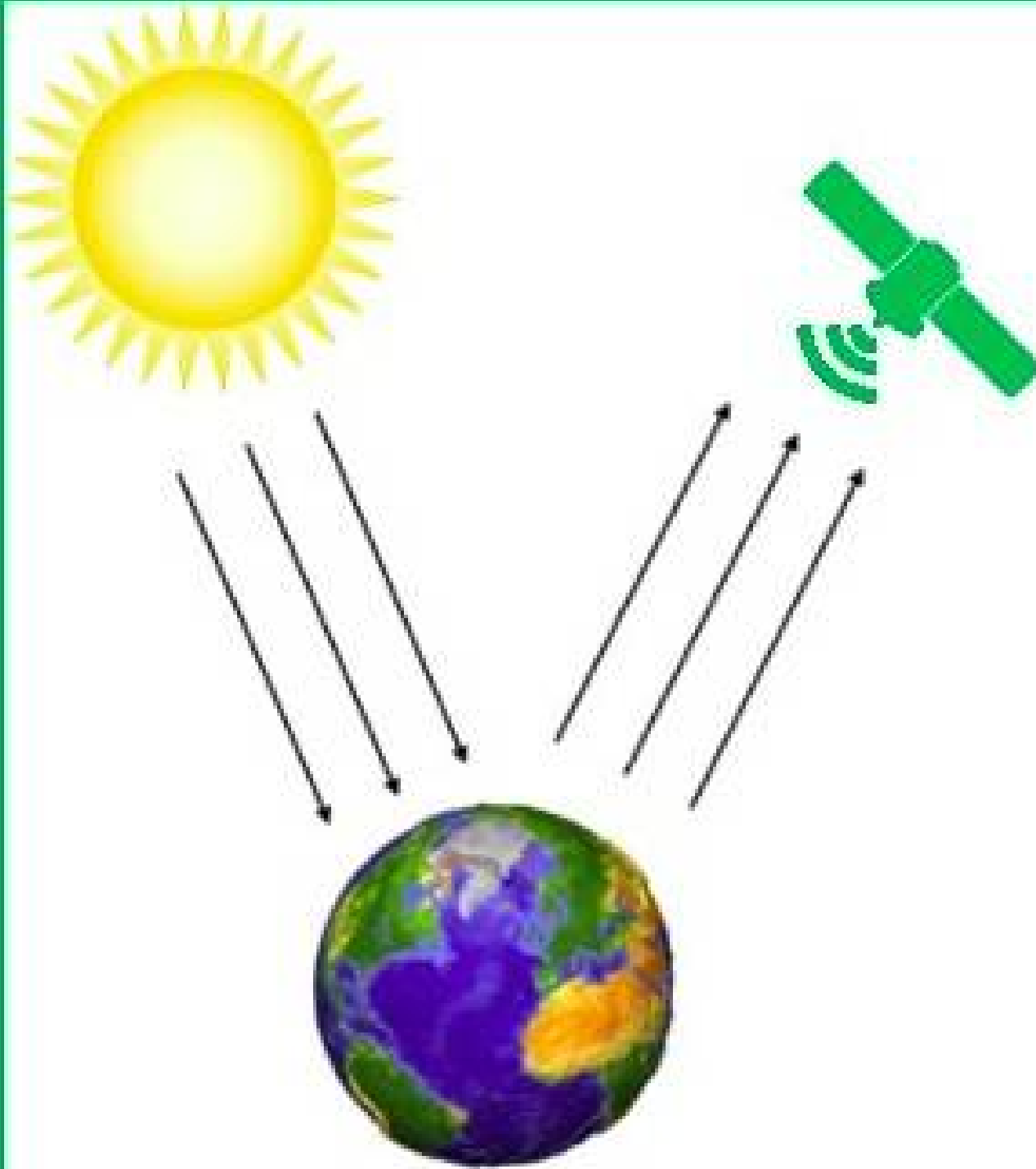
What are sensors in remote sensing?

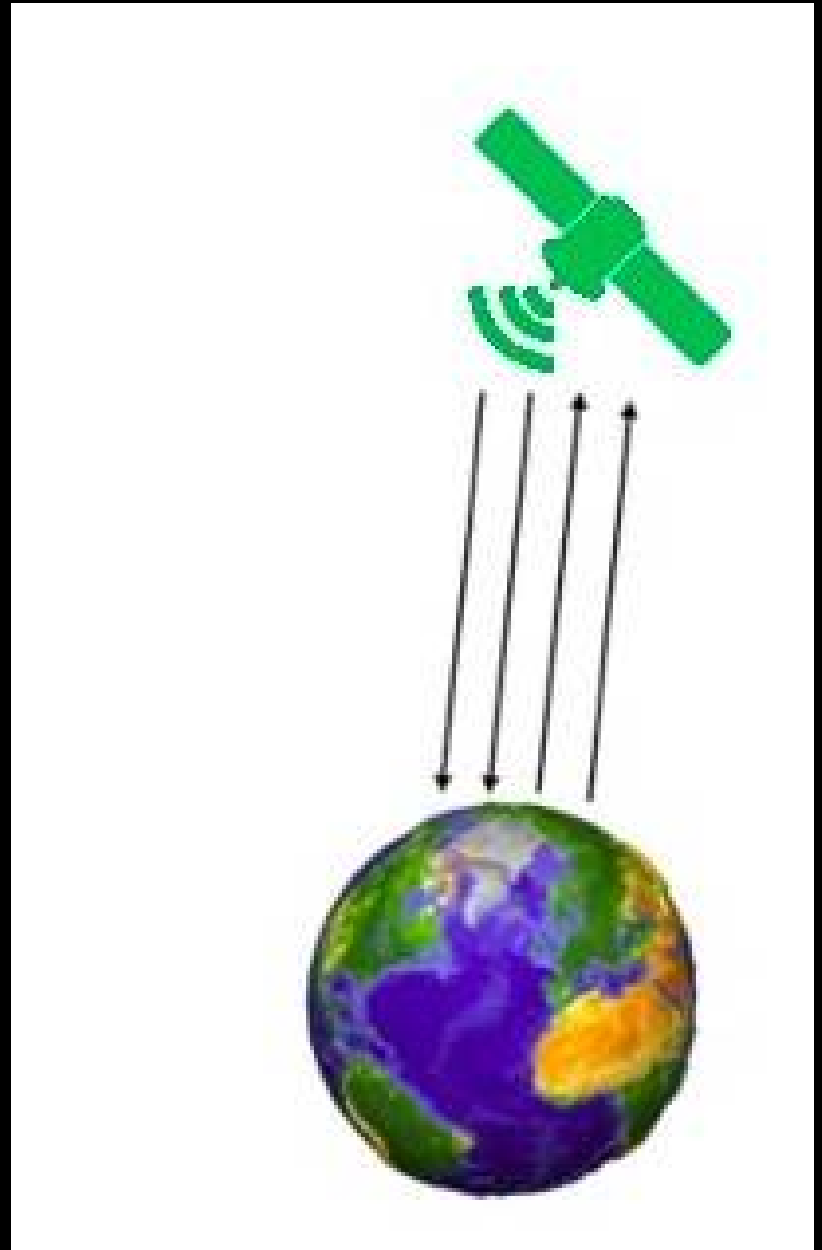
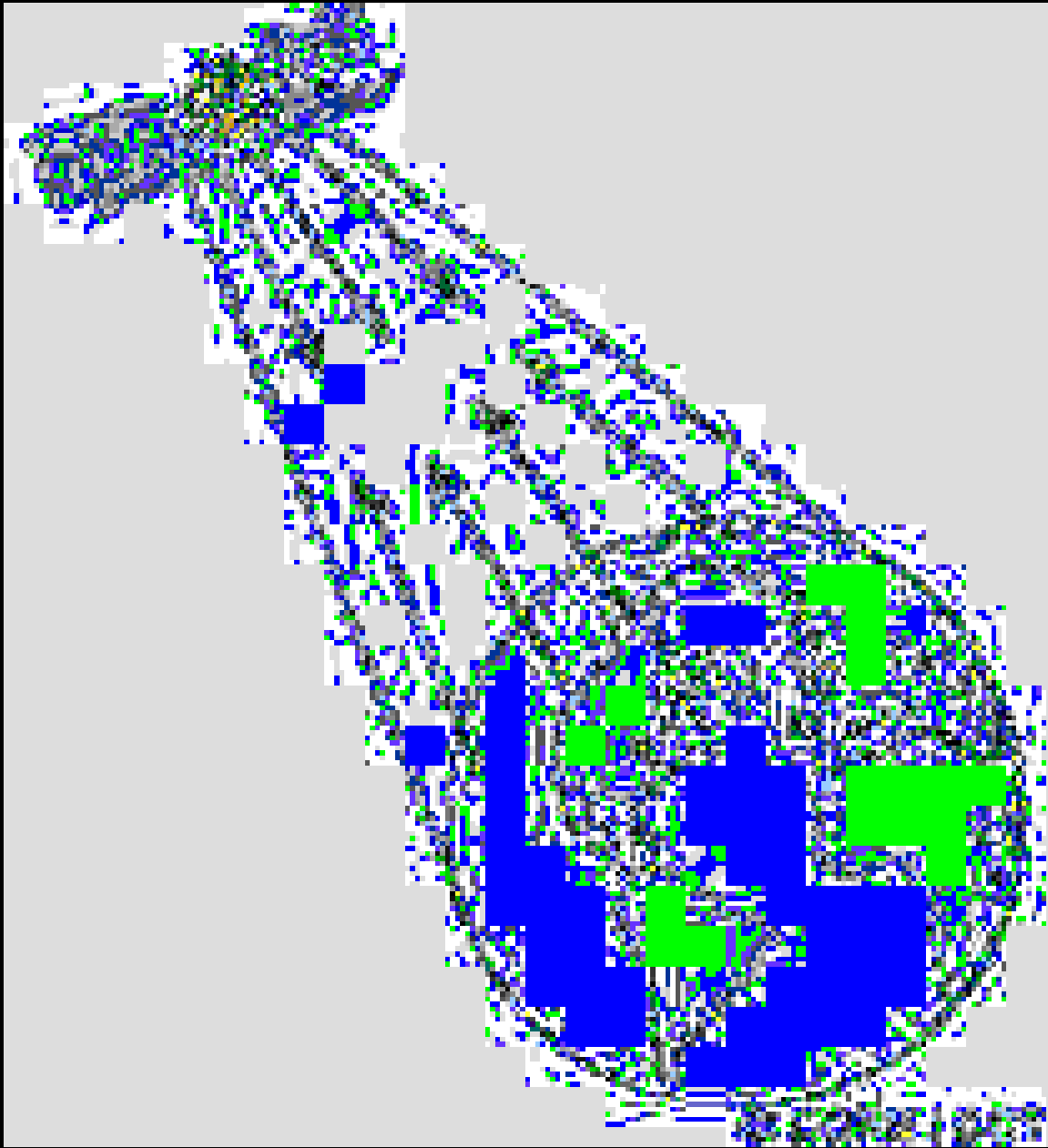


-Devices used for data collection in remote sensing are called sensors.

-Cameras and scanners are examples of sensors.

-The sensors record the electromagnetic radiations reflected by objects.



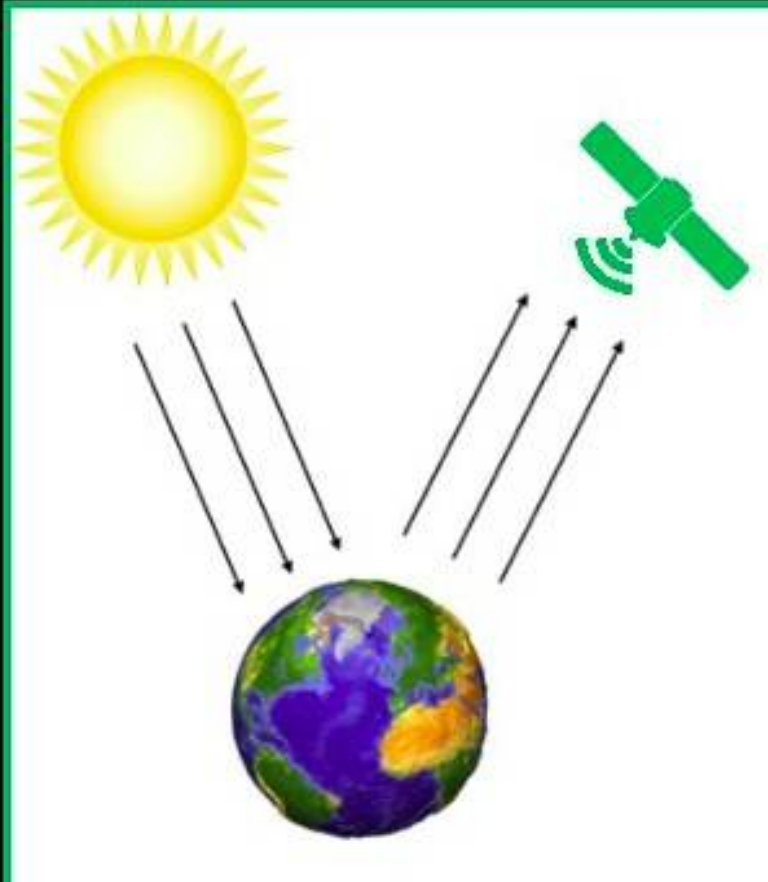


PLAY

Classification of Remote Sensing Based on Source of energy

- Passive Remote Sensing**
- Active Remote Sensing**

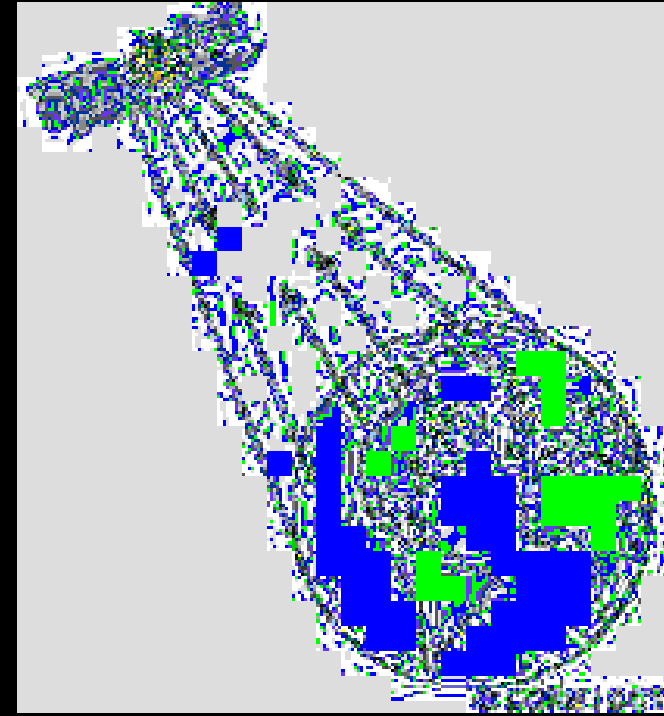
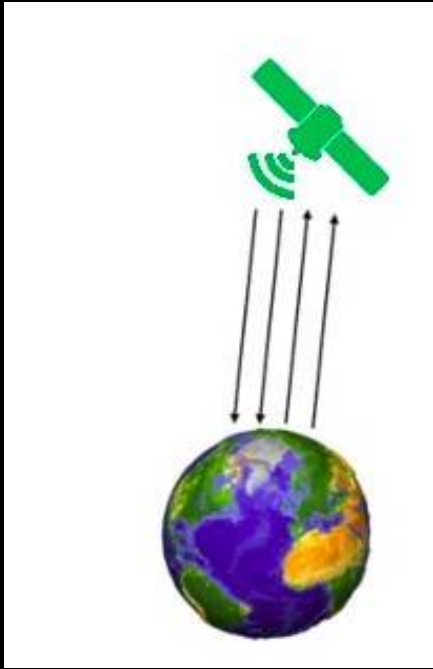
Passive Remote Sensing



-Remote Sensing is carried out with the help of solar energy is known as passive remote sensing.

-Here the sensors do not emit energy by itself.

Active Remote Sensing

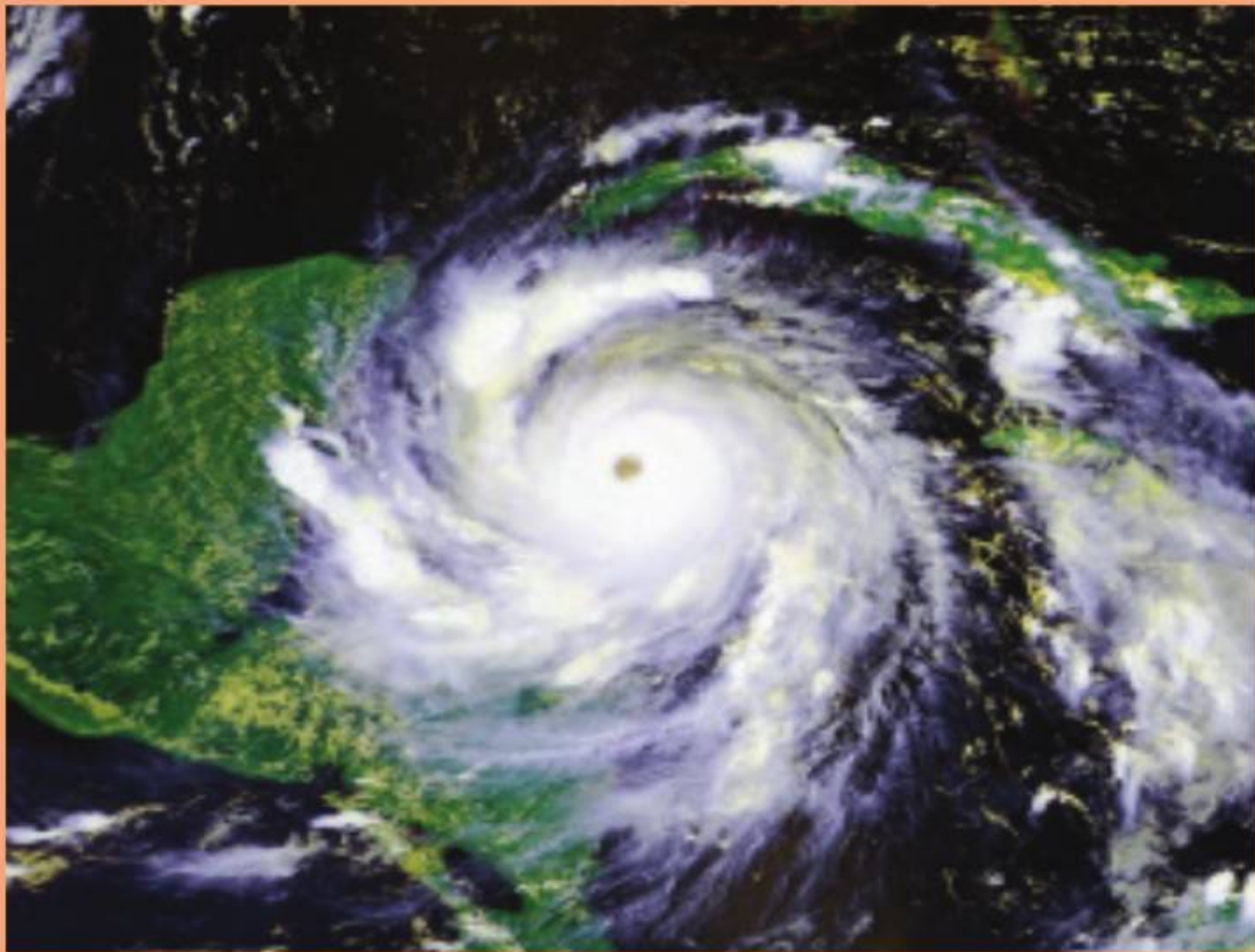


- Remote Sensing made with the aid of artificial source of energy radiating from the sensor is known as active remote sensing.
- Here the sensors emit energy by itself.

Platform in Remote Sensing?









BIJU K K, GHS TUVVUR, MALAPPURAM

What is the platform in remote sensing?

-The carrier on which sensors are fixed is called a platform.

-Sensors can be installed on balloons, air crafts and satellites.

Classification of Remote Sensing based on the platform

-The remote sensing can be divided into three types based on the platform.

- Terrestrial Photography**
- Aerial Remote Sensing**
- Satellite Remote Sensing**

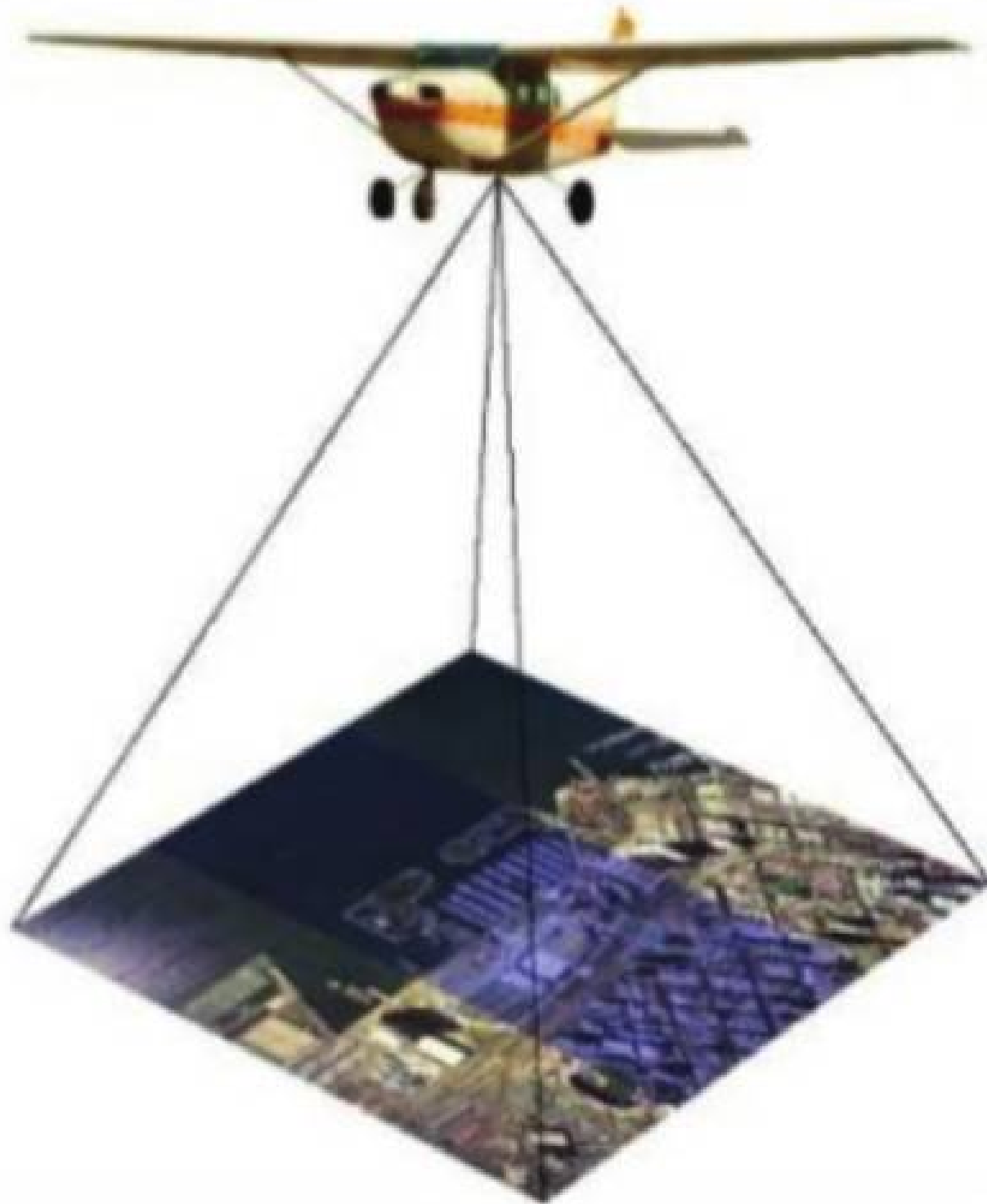
PLAY

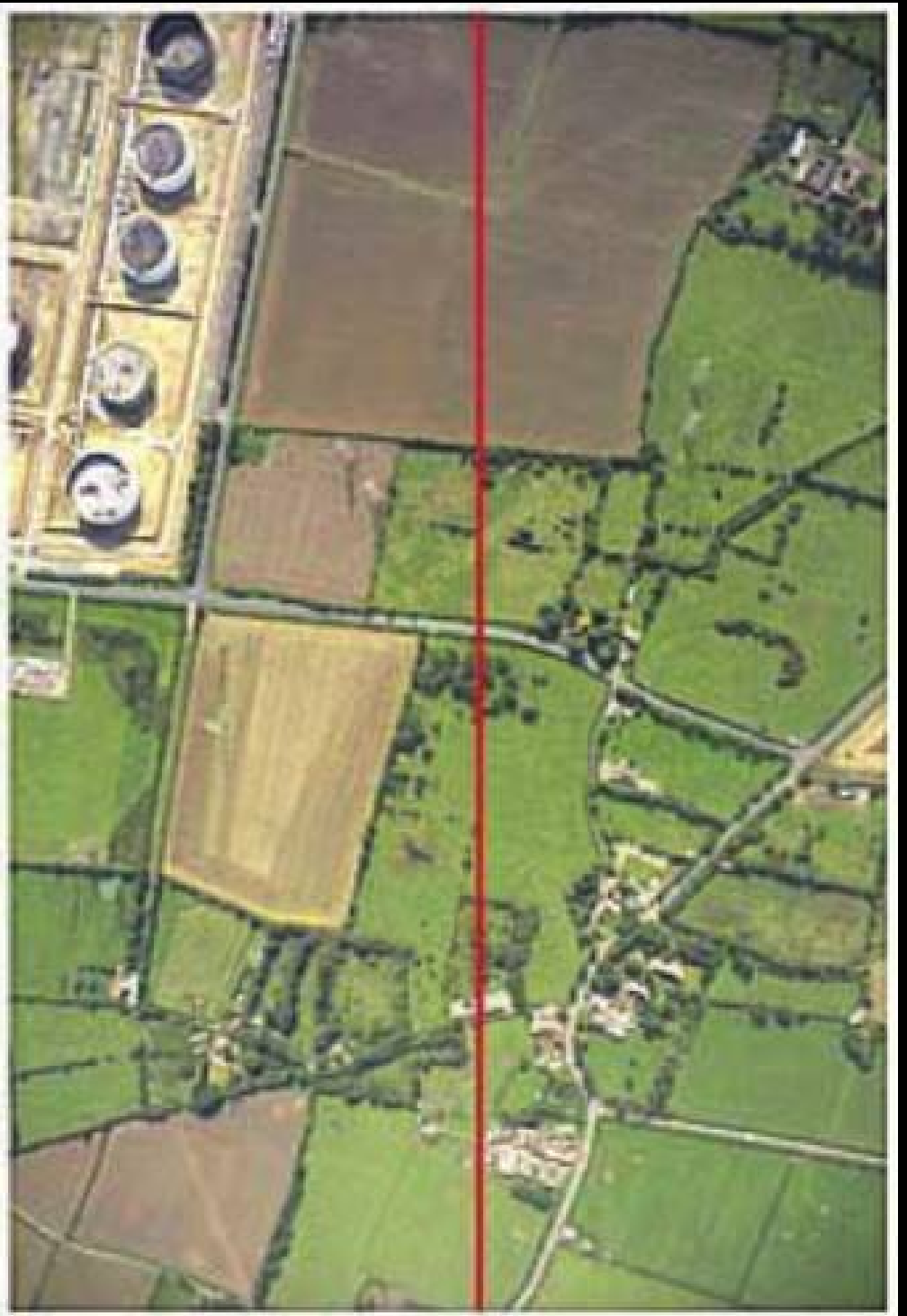
BIJU K K, GHS TUVVUR, MALAPPURAM

What is terrestrial photography?

-The method of obtaining the earth's topography using cameras from the ground is known as terrestrial photography.

-The images we take using cameras are examples of terrestrial photography.





BIJU K K, GHS TUVVUR, MALAPPURAM

Aerial Remote Sensing

-Aerial remote sensing is a continuous process of taking pictures from the sky with the help of a camera mounted on balloons or airo planes.

-Aerial remote sensing is generally used to gather information about comparatively smaller areas.

-The advantage of aerial remote sensing is that information of any region can be gathered in accordance with our requirements.

-Another merit of this method is that contiguous pictures of the areas along the path of the air crafts are made available.

-The photographs obtained through this method are called aerial photographs.

BIJU K K, GHS TUVVUR, MALAPPURAM

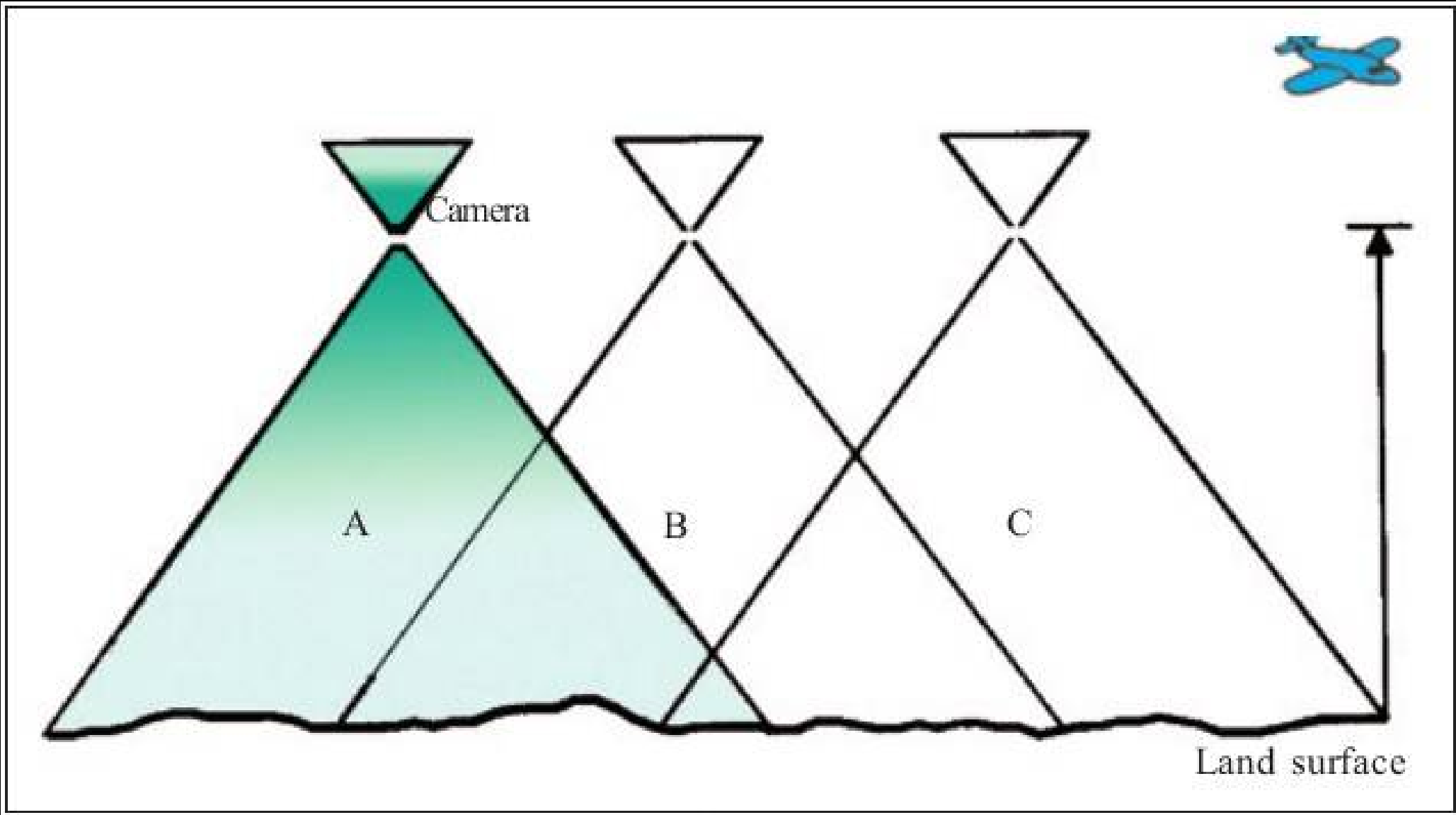
What is overlap in aerial photographs

-In each aerial photograph, nearly 60% of the places depicted in the adjacent photo is included.

-This is done for ensuring contiguity and to obtain three dimensional vision with the help of stereoscope.

-This is called overlap in aerial photographs.

PLAY



BIJU K K, GHS TUVVUR, MALAPPURAM

What is Stereo Pair in aerial photographs?

-Two photographs of adjoining areas with overlap are called a stereo pair.

-The instrument which is used to obtain three dimensional view from the stereo pairs is called stereoscope

-When viewed through a stereo scope, we get a three dimensional view of the area depicted in the stereo pair.

-Such a three dimensional view obtained is called Stereoscopic vision.



ALL THE BEST

By

BIJU K K,

GHS TUVVUR, MALAPPURAM

9895695437, 8075512478.

BIJU K K, GHS TUVVUR, MALAPPURAM