

Name _____

Date _____

Physical Science

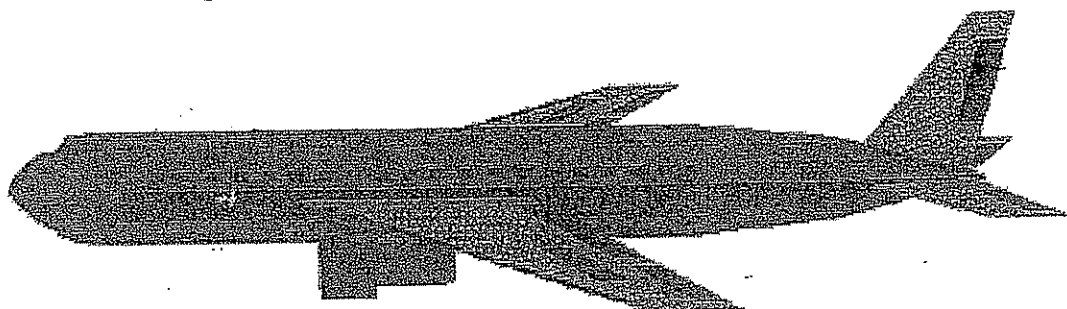
Activity: Aircraft Motion and Forces

FIGURE 1

Flight Conditions:

a. $\text{Lift} > \text{Weight}$

b. $\text{Drag} = \text{Thrust}$



1. Draw the force arrows on the diagram.

2. Using complete sentences, explain the flight action FOR EACH of the flight conditions.

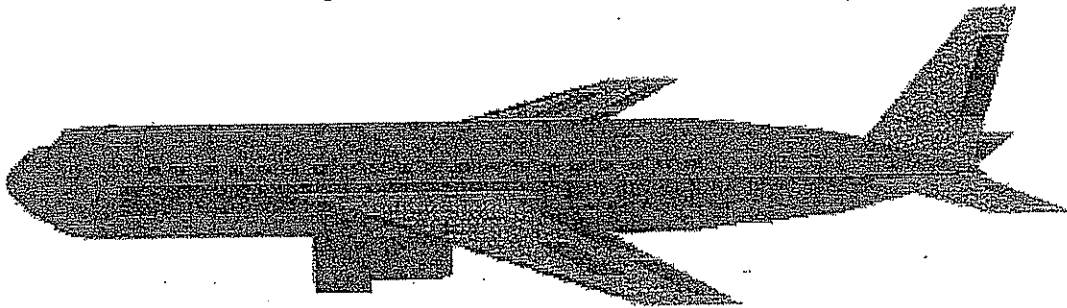
a. _____

b. _____

FIGURE 2

Flight Conditions:

- a. $\text{Weight} > \text{Lift}$
- b. $\text{Thrust} = \text{Drag}$



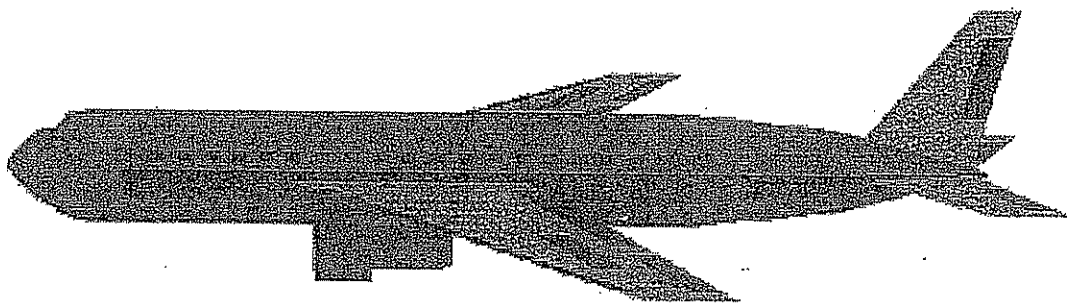
1. Draw the force arrows on the diagram.
2. Using complete sentences, explain the flight action FOR EACH of the flight conditions.

- a. _____
- _____
- b. _____
- _____

FIGURE 3

Flight Conditions:

- a. $\text{Drag} > \text{Thrust}$
- b. $\text{Lift} = \text{Weight}$



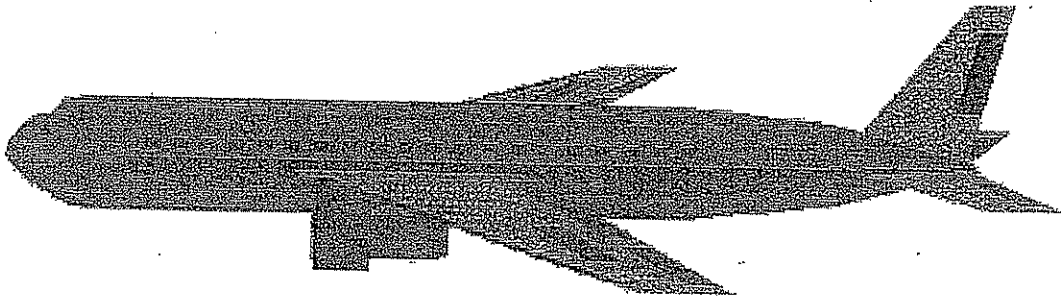
1. Draw the force arrows on the diagram.
2. Using complete sentences, explain the flight action FOR EACH of the flight conditions.

- a. _____
- _____
- b. _____
- _____

FIGURE 4

Flight Conditions:

- a. Thrust > Drag
- b. Weight = Lift



1. Draw the force arrows on the diagram.
2. Using complete sentences, explain the flight action FOR EACH of the flight conditions.

a. _____

b. _____
