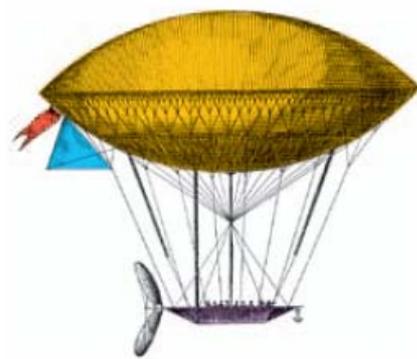


Level 4. Flying Machines

# Alpha Readers

## Flying Machines



Written by Mary-Anne Creasy

**A** Solve the crossword puzzle below.

Across →

1.



5.



6.



Down ↓

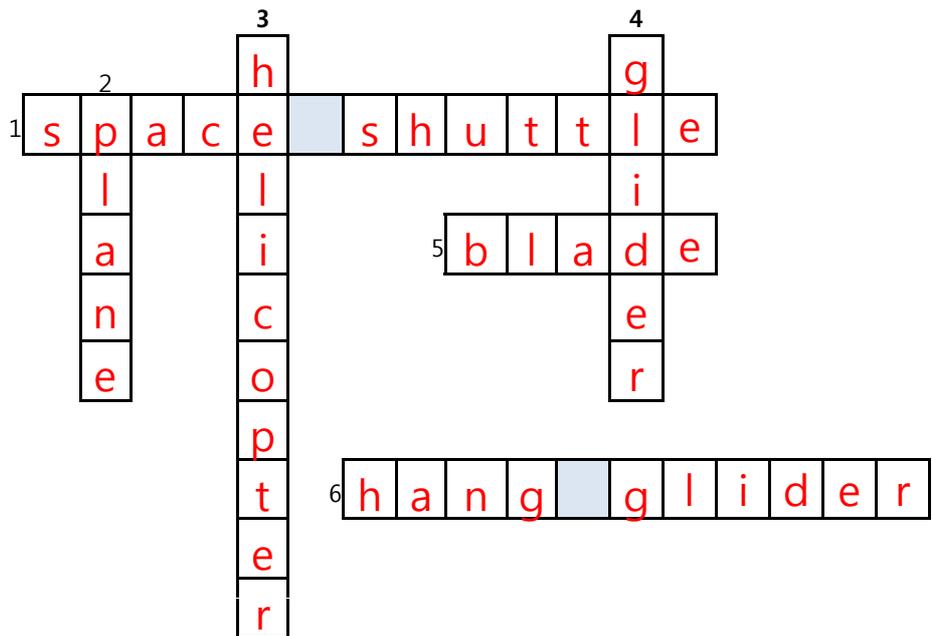
2.



3.



4.



**B** Complete the sentence using the words in the box.

- engine
- wings
- rocket
- machine

1. People have made many different machines that can fly.  
a piece of equipment which uses electricity or an engine
2. A space shuttle has a rocket engine.  
a space vehicle that is shaped like a long tube
3. It glides through the air on its wings.  
parts for flying
4. Most flying machines have engines.  
a part that produces the power which makes something move

**C** Write the correct word to complete the sentence. Change the form of verb if necessary.

by / glide through / turn ~ on / lift off / without

1. A plane lifts off the ground and moves through the air.
2. A hang glider glides through the air on its wings.
3. Most flying machines have engines but some can fly without engines.
4. A glider is pulled into the air by a plane.
5. The engine turns the blades on top of the helicopter.

**D** Fill in the blanks with *without* or *with* to complete the sentence.

**With** or **without** is used to indicate that someone or something has or doesn't have.

Ex.) We need water to live. → We can't live **without** water.

They have wings to fly. → They can fly **with** their wings.

1. They have no engines, but they can fly. → They can fly without engines.
2. The machine has arms to move. → The machine can move with its arms.
3. The robot needs legs to walk. → The robot can't walk without legs.
4. He has no one leg, but he can swim. → He can swim without one leg.
5. It has wheels to go fast. → It can go fast with its wheels.

**A Answer the following questions.**

- The main purpose of the book is \_\_\_\_\_.
  - to explain what is not a flying machine
  - to give information about how flying machines fly
  - to show us what kind of flying machine is the best
- Three children will sort the flying machines after reading the book. Who is NOT correct?
  - James: I will sort them by the speed.
  - Sue: I will sort them by whether they have wings or not.
  - July: I will sort them by whether they have an engine or not.
- Which flying machines have blades instead of wings?
  - helicopters
  - gliders
  - planes
- What is NOT true about hang glider?
  - A hang glider does not have an engine.
  - Warm air lifts the hang glider.
  - It glides through the air on its wheels.

**B Read and circle "T" for true or "F" for false.**

- All flying machines have engines. T /  F
- Hang gliders, gliders, and planes have wings.  T / F
- Engines of a plane make it move fast.  T / F
- A space shuttle doesn't have wings. T /  F
- The engine of a helicopter turns the blades on top of it.  T / F

**C** Sort the flying machines. Then circle the names if they have wings.

gliders / planes / space shuttles / hang gliders / helicopters

Flying Machines <b>with Engines</b>	
planes	The engines make it move fast.
space shuttles	The rocket engine lifts it off the ground and into space.
helicopters	The engine turns the blades on top of it.
Flying Machines <b>without Engines</b>	
gliders	They are pulled into the air by a plane.
hang gliders	Warm air lifts them.

**D** Fill in the blanks with the right expressions for your writing. Change the form of verb if necessary.

What's your favorite flying machine from the book?

My favorite flying machine is a helicopter

It has an engine.

doesn't have an engine / have an engine / have engines

It lifts off the ground by the engine

by the warm air / by a plane / by the engine(s)

and it moves through the air.

move through the air / glide through the air on its wings / move into space

Answers vary.