



iconicDRONE

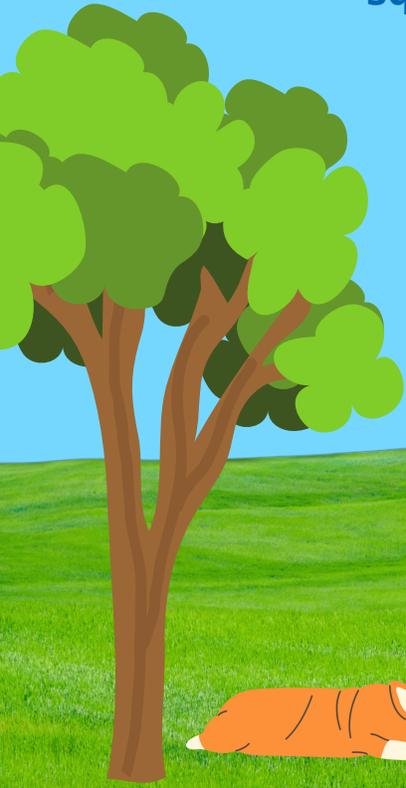
EDUCATION

Iconic Drone Video Game Scavenger Hunt!

As you play through the levels on the Iconic Drone Game look for clues to answer the questions in the Scavenger Hunt!

Throughout the scavenger hunt you will find questions for each level of the game including Drone Examination and all the straight line and square course levels as well as fun facts.

Good Luck!



Student Name _____

Class Period _____

Parts of a Drone (Front View)

Using the word bank below, fill in each box with the name of the drone part it points to.

Gimbal

Landing Gear

Body

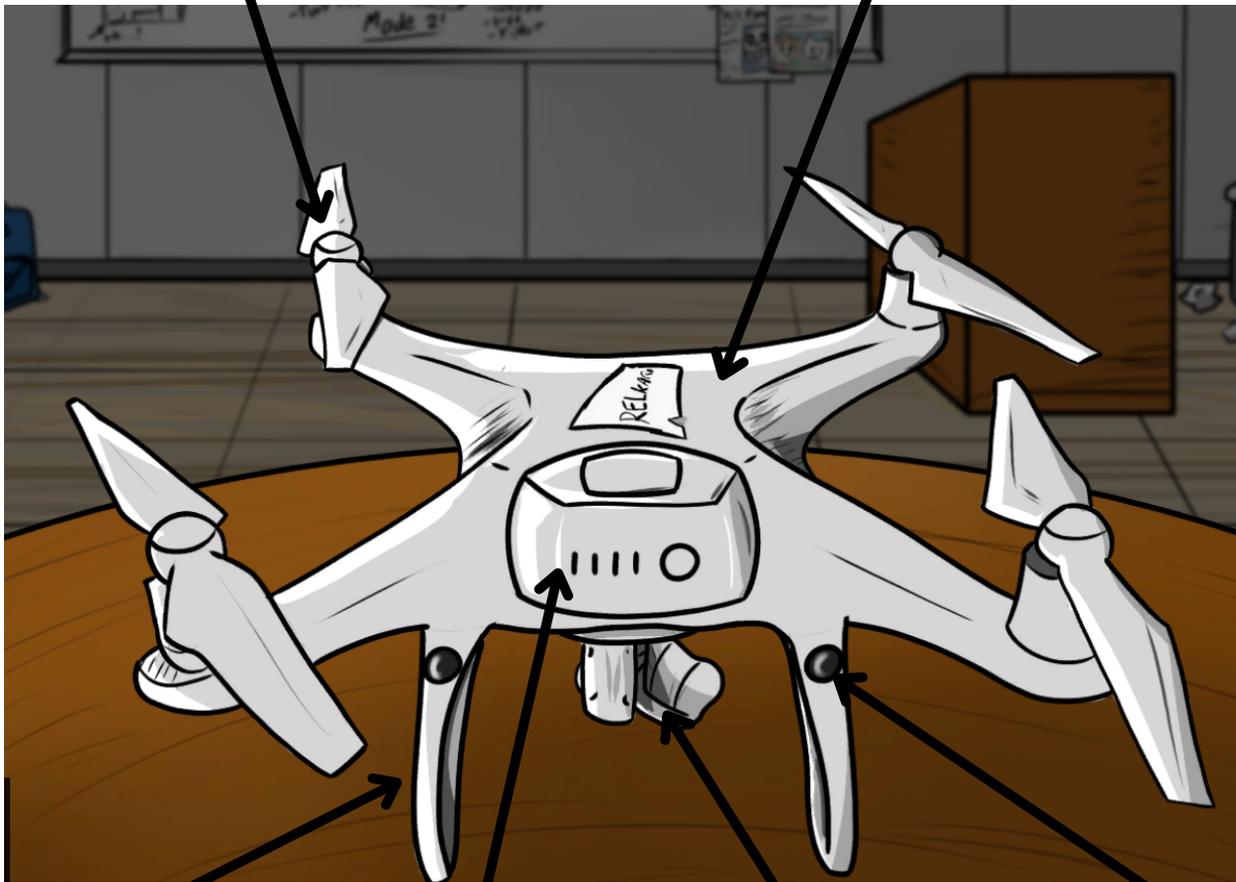
Propellers

Battery

Obstacle Avoidance Sensor

a.

b.



c.

e.

d.

f.

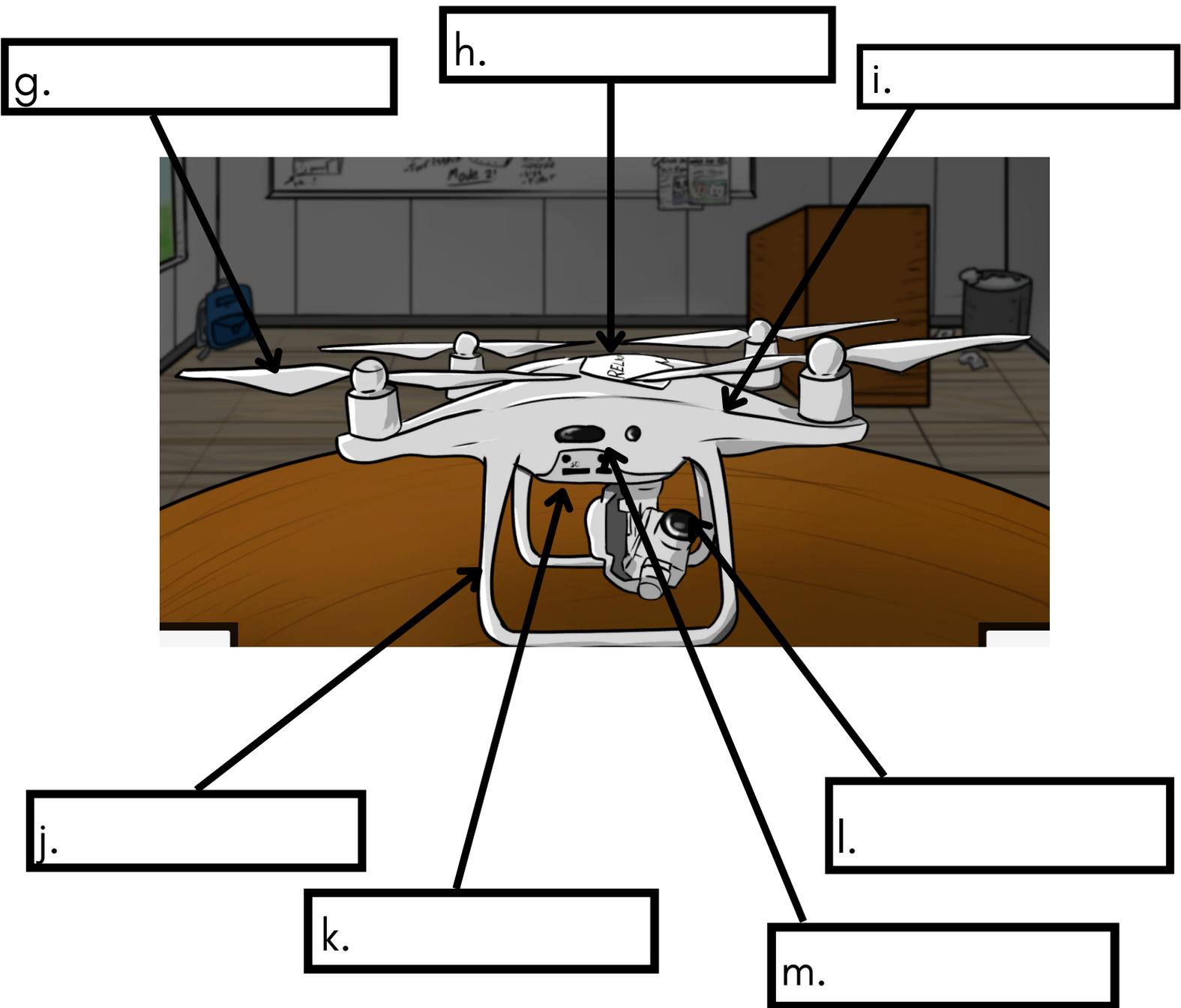
Student Name _____

Class Period _____

Parts of a Drone (Side View)

Using the word bank below, fill in each box with the name of the drone part it points to.

Camera Registration Sticker Landing Gear Body
Propellers SD Card/Slot Obstacle Avoidance Sensor



Name: _____

Date: _____

CITY PARK BASIC MANEUVERS LEVEL 1-4 SCAVENGER HUNT

Helipad

Visual Observer

Mode 2

Right

Trust Certificate

GPS

LAANC Permission

Left

Time

Bird

Above Ground Level

Weather

****Some words may be used more than once.***

Task: Choose from the words above the best fit for each sentence below.

1. The VO on Taylen's shirt stands for _____.
2. You should use the _____ controller stick to ascend and descend.
3. Taylen's before you fly checklist included these four items _____, _____, _____, and _____.
4. As the VO in level two, Taylen shouts a warning about a _____ during the flight.
5. Before flying in level one we forgot to put out the _____ to help protect the propellers when we land.
6. Your phone uses _____ to help track and monitor your drone.
7. In level two the phone shows you are flying at 15 AGL this means you are flying 15 feet _____.
8. Throughout the game you will be flying using control _____.
9. If you want your drone to move left or right you need to use the _____ control stick.
10. When the direction of your drone changes the _____, and _____ change as well.

Name: _____

Date: _____

CITY PARK BASIC MANEUVERS LEVEL 5-8 SCAVENGER HUNT

Pitch FAA-Air Traffic Control Right Gimbal
GPS Obstacle Avoidance Yaw Home Left
Modes Position Mode Scroll Wheel Functions

****Some words may be used more than once.***

Task: Choose from the words above the best fit for each sentence below.

1. The nose of your drone is tilted down and your drone is moving forward so you must be using the _____ maneuver.
2. Your drone's camera is controlled by the _____ sensor.
3. Safe modes optimize a drones _____ and, _____ capabilities.
4. To aim the gimbal sensor (camera) in a certain direction you need to use the _____ maneuver.
5. To move the drone camera up or down you would use the _____.
6. In level 7 Taylen was contacted by the _____ and informed you to land your drone immediately .
7. If you want to Yaw your drone you use the _____ controller stick
8. To land your drone immediately you can use the _____ button.
9. On a Phantom drone the safe mode is called the _____.
10. The Pitch maneuver is made by using the _____ controller stick.

Name:

Section:

Date

:

Fun Fact Match

Match each statement in column A to the correct choice in Column B

- | | |
|--|----------------------------|
| 1. The legal speed limit for a drone. | A. Pilot in Command (PIC). |
| 2. The age at which you can take the Part 107 exam. | B. 30 minutes |
| 3. Maximum height you can legally fly a drone. | C. AWOS |
| 4. System used for pilot communication when there isn't a control tower. | D. Class D airspace |
| 5. The amount of time before and after civil twilight you can legally fly. | E. 16 years old |
| 6. The person always responsible for all aspects of a flight operation. | F. 90 Days |
| 7. The age at which you can get a remote pilots license. | G. One year |
| 8. Maximum blood alcohol level legally allowed when flying a UAS. | H. Latitude |
| 9. Class of airspace found over the largest airports. | I. 10 days |
| 10. Number of days you have to notify the FAA of a new address if you move. | J. 400 Feet |
| 11. Minimum visibility required to fly a drone under part 107. | K. 14 years old |
| 12. Weight range for drones that must be registered through the FAA Drone Zone. | L. Class B airspace |
| 13. The lines on a map that indicate how far North or South you are from the equator. | M. Strobe Light |
| 14. An automated weather system that provides pilots with up to date weather data. | N. CTAF |
| 15. Smallest airspace class that surrounds the smallest airports with a tower (SFC-2,500ft). | O. Angle of Attack |
| 16. Amount of lead time needed if requesting a waiver from the FAA. | P. 0.04% |
| 17. The lines on a map that indicate how far East or West you are from the prime meridian. | Q. 30 days |
| 18. The number of days you have to file a report with the FAA for any qualifying incident. | R. 2,000 feet |
| 19. Airspace found over smaller airports that typically has two tiers. | S. \$500 |
| 20. Distance away from power lines and towers you should maintain when flying a drone. | T. Longitude |
| 21. An accessory your drone must have if flying at night. | U. 100 mph or 87 knots |
| 22. The direction the wind meets the wing. | V. Class A airspace |
| 23. A problem that occurs when the wing exceeds its critical angle of attack. | W. 3 statute miles |
| 24. You must file an accident report with the FAA if damages caused exceed this amount. | X. Class C airspace |
| 25. Length of time your commercial license can be suspended for a narcotics conviction. | Y. .55lbs. - 55lbs. |
| 26. The highest airspace which is found at 18,000 -60,000 feet. | Z. Stall occurs |