QUIZIZZ Worksheets

Name

8.1 Bernoulli's Principle

Total questions: 18

Worksheet time: 22mins

Instructor name: Khaled Barhoom

Class

Date

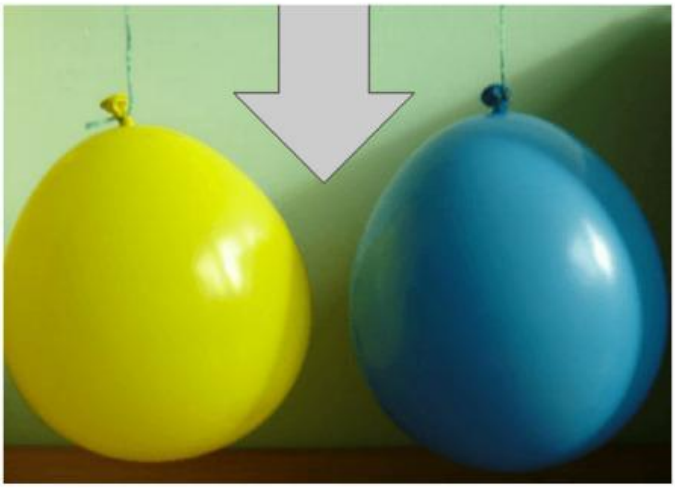
1. According to Bernoulli's Principle, when the wind speed is high, wind pressure is _____

a) high

b) low

c) not enough information

d) None of the above

2. 

If you blow air between these two balloons, the balloons would touch each other. This is because the pressure between the balloons _____.

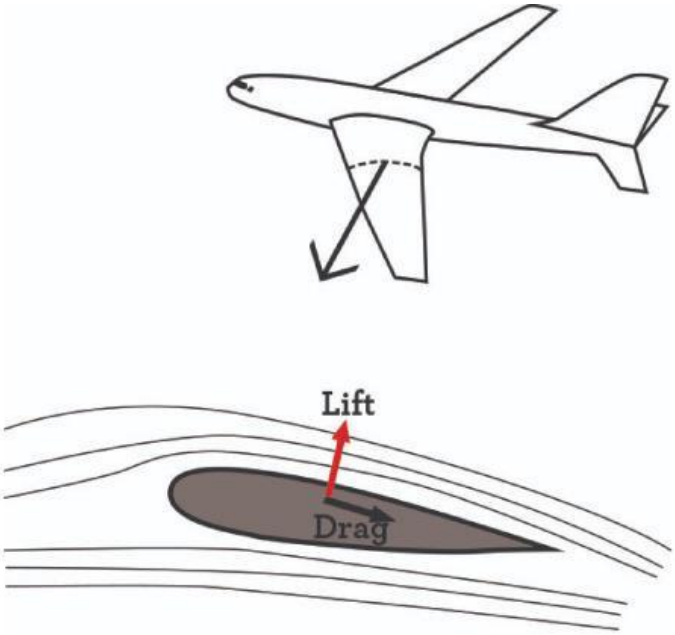
a) Increases

b) Decreases

c) Stays the same

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3.



Why is the top of an airplane wing curved?

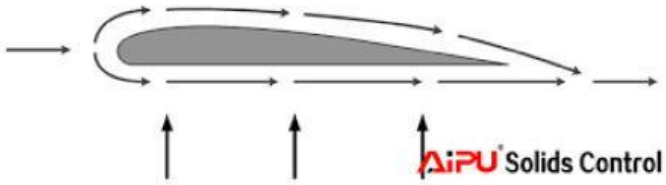
a) To create an area of low pressure above the wing

b) To create an area of high pressure above the wing

c) To create equal pressure above and below the wing

d) To make the wing look really cool

4.



The design of a wing:

a) causes the air above a wing to move faster than the air below the wing

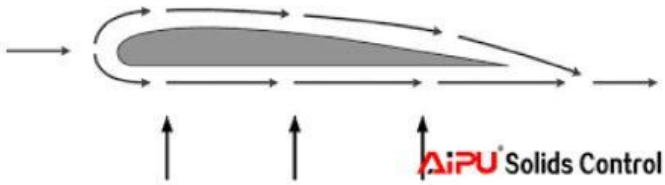
b) helps create lift

c) creates a low pressure area above the wing

d) all of these answers are correct

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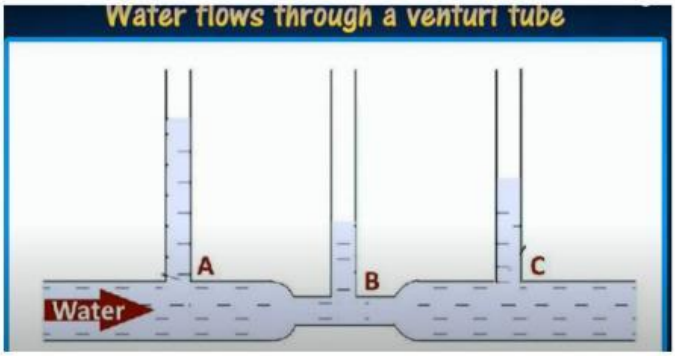
5.



Air travels _____ over the top of a wing.

a) faster
b) slower
c) doesn't move at all
d) the same speed as

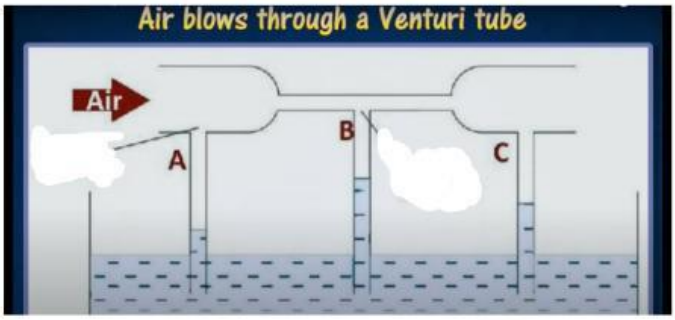
6.



The water flows through a venturi tube. Which part has the lowest pressure and highest velocity?

a) A
b) B
c) C

7.



The air blows through a venturi tube. Select the correct answer.

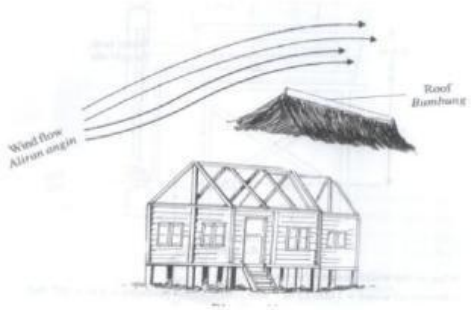
a) Pressure at C > Pressure at B > Pressure at A
b) Pressure at B > Pressure at A > Pressure at C
c) Pressure at A > Pressure at C > Pressure at B
d) Pressure at A > Pressure at B > Pressure at C

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8.

BERNOULLI'S PRINCIPLE

1. Daily situation :
   a) The roof of a house being lifted by strong winds.



The roof of a house being lifted by strong winds. This is because .....

a) Higher pressure at the below of roof
b) Lower pressure at the top of roof
c) Lower velocity at the top of roof
d) Higher velocity at the below of roof

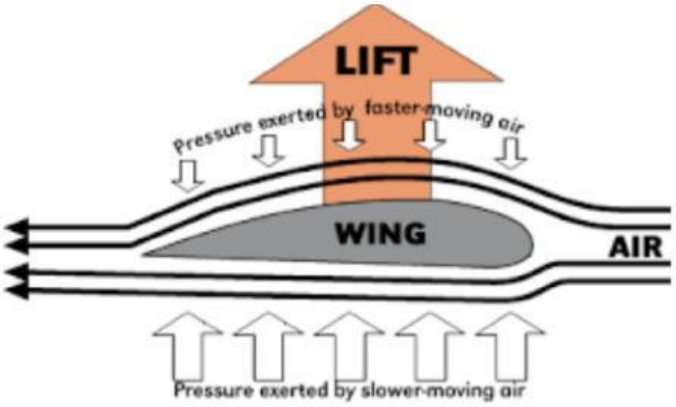
9. According to Bernoulli's Principle, when the wind speed is high, wind pressure is _____

a) high
b) low
c) not enough information
d) None of the above

10. According to Bernoulli's Principle, when the wind speed is low, wind pressure is _____

a) high
b) low
c) not enough information
d) None of the above

11.



The faster a fluid moves, the lower the pressure is in the moving fluid compared to the fluid not moving as fast. This is called

a) Newton's Laws
b) Bernoulli's Principle
c) Wright Brothers Priciple

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12. What is the best depiction of Bernoulli's principle below?

a) As the pressure of a fluid decreases, the speed increases
b) As the pressure of a fluid increases, the speed increases
c) As the pressure of a fluid decreases, the speed decreases

13. Due to Bernoulli's principle, the pressure is ____ above an airplane's wing than below it.

a) Lower
b) Higher

14. Bernoulli's Principle is used to explain the concept of _____.

a) lift
b) chemical reactions
c) the engineering design process
d) None of these things

15. Objects tend to move toward areas of _____.

a) higher pressure
b) lower pressure
c) chemical changes
d) physical changes

16. If the pressure is **higher** above the wing and **lower** below the wing, what will the airplane do?

a) lift
b) sink
c) Neither lift or sink

17. If the pressure is **lower** above the wing and **higher** below the wing, what will the airplane do?

a) lift
b) sink
c) Neither lift or sink

18. If the pressure is **the same** above the wing that it is below the wing, what will the airplane do?

a) lift
b) sink
c) Neither lift or sink

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