**Four and 2 Stroke Engines**

**Review Questions**

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1. The four stroke engine has two of these. One is for exhaust and one is for intake. What are they?

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1. What is TDC?
2. Name the four strokes of a four stroke engine in order.
3. What is BDC?
4. What creates a vacuum inside the combustion chamber?
5. What are two reasons that two stroke engines could be discontinued in the future?
6. What two strokes happen on the “compression” stroke of a two stroke engine?
7. Which direction is the piston going while travelling on the exhaust stroke on a four stroke engine?
8. What gives two stroke engines a significant power boost over four stroke engines?

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1. If there is only one power stroke on a four stroke engine, what carries the engine through the other 3 strokes?
2. Convert 1 gallon of mixing oil to 1000 miles how many liters of mixing oil would you use and within how many kilometers when using a two stroke engine?
3. What direction in the piston travelling on the power stroke on four stroke engine?
4. When does the spark plug fire on a four stroke engine?
5. What three things is the piston doing in a two stroke engine?
6. What is BTDC?
7. Define combustion.
8. What fuels are used in today’s combustion engine?
9. Using the internet, research external combustion engines. Create a T-chart explaining the differences between an internal combustion engine and an external combustion engine, addressing the following: fuel used, size, power available, portability, cost, practicality. Put the chart, along with a picture of both engines on a separate piece of paper.
10. Identify the type of engine that is used and the fuel that is most commonly used with this engine that is used to power
11. a plane
12. a snowmobile
13. a sea dragger

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1. a space shuttle
2. a funny car