Engines Study Guide NAME			
1) What is the purpose of a governor on the engine? (Hint: it has nothing to do with politics) (Vocabulary Word)			
2) A(n) Combustion engine converts thermal energy from the fuel inside the engine to mechanical energy. (Session 1)			
3) What is the proper order of steps to complete one engine cycle in a 4-stroke engine? Hint: (4 Steps). (Session 1)			
4) What is the factor that often influences the design and operation of transportation systems? (Session 1) a) Humidity			
b) Government regulations			
c) Popular Mechanics			
d) Potential Energy			
5) Petroleum, Natural Gas, and Coal are all examples of fossil fuels. If False what is the correct answer? (RCA 2)			

a) True

b) False

Match the	tool with its correct class	ification: (Session 2)
6)	Rubber Mallet	a) Fastening
7)	Torque Wrench	b) Striking/Driving
8)	Dial Caliper	c) Measuring
9)	Pliers	d) Specialty
10) Whe 2)	n would you use a feeler ş	gauge? (Clue we did this is session 4) (Session
a)	Measuring the cylinder bo	re
b)	Measuring the stroke	
c)	Measuring the valve caps	
d)	Measuring the valve Clear	rance
Forc	e x Drive) (RCA 3) w all work	transfered to the rachet's drive? Hint (Torque=
stren (Ses	ngth needed to house all the sion 3)	f the engine that provides both the space and e internal and external engine components?
a)	Cylinder Head	
b)	Engine Block	
c)	Valve Cover	
d)	Gas Tank	
13) The com	ignites bustion engine. (Session 3	the fuel in a gasoline-powered internal

14) Valve Tappets get moved by the cam lobes which changes rotarty motion into linear motion. If false, what is the correct Answer? (Session 4)
a) True
b) False
15) What is the position of the intake valve and the exhaust valve during the compression stroke? (Session 4)
a) Closed, Open
b) Closed, Closed
c) Open, Closed
d) Open, Open
16) The Valve guide is the engine part that pivots to open and close overhead valves. If false, what is the correct answer? (Session 4)
a) True
b) False
17) What is the engine part that converts linear motion to rotational motion inside a reciprocating internal combustion engine? (Session 6)a) Pistonb) Crankshaft
c) Valve Tappets
d) Spark Plug