

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) How is the angle between power strokes determined?

2) What brands of vehicles use horizontally opposed 4- and 6-cylinder engines?

3) What are the strokes of a four-stroke cycle?

4) If an engine at sea level produces 100 horsepower, how many horsepower would it develop at 6,000 feet of altitude?

Answer Key

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1) To find the angle between power strokes of an engine, divide 720 by the number of cylinders.

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2) This style of engine is used in Porsche and Subaru engines, and is often called the boxer or pancake engine design

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3) The four strokes of a four-stroke engine include intake, compression, power, and exhaust.

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4) An engine loses 3% of its power for each 1,000 feet above sea level. Therefore, at 6,000 feet, an engine would lose 18% ($3 \times 6 = 18$) or 18 hp. Therefore, if an engine develops 100 hp at sea level, that same engine will produce 82 hp when operating at 6,000 feet altitude.

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