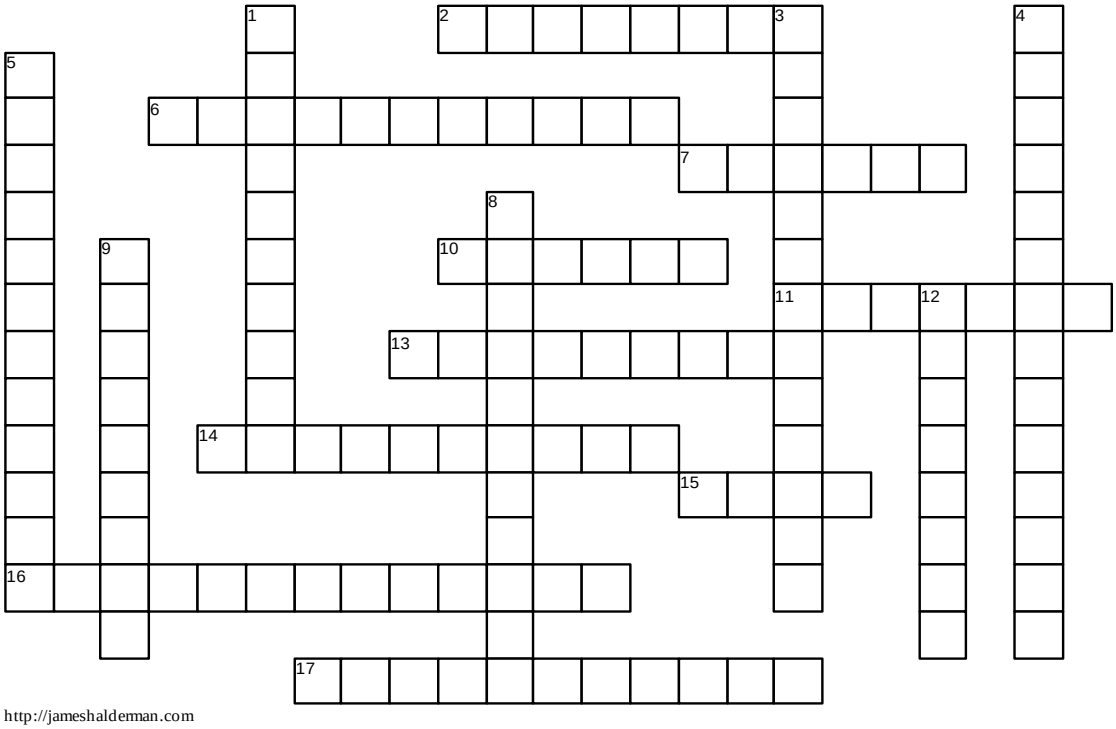
Brake Principles And Friction Materials

Chapter 5



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2 All brake pads and shoes manufactured after January 1, 2015, are required to have a ___ ____ icon indicating the level of compliance with state friction material content legislation.

6 Brake pads and linings that use synthetic material, such as aramid fibers, instead of steel are usually referred to as ___-_____.

7 The ability to do work is called _____.

10 _____ is a soft metal with very high thermal and electrical conductivity and is used in most brake lining/pads.

11 Synthetic friction material are often called _____ in the American aftermarket .

13 The loss of brake power is called _____ ____.

14 Most vehicles have a forward _____ ____, which means that even when stopped, more than 50% of their weight is supported by the front wheels.

15 The transfer of energy form one physical system to another-especially the transfer of energy to an object through the application of force is called ____.

16 The amount of friction between two objects or surfaces is commonly expressed as a value called _____ __ friction.

17 ___-_____ synthetic (NAS) is another term that may be used in referring to synthetic brake linings.

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1 _____ ____ affects both drum and disc brakes and occurs when the friction material overheats to the point where its coefficient of friction drops off.

3 _____ _____ is a fundamental form of mechanical energy. It is the energy of mass in motion.

4 _____ ____ occurs when a brake drum overheats and expands away from the brake lining.

5 The term _____ refer to brake lining material that uses metal, rather than asbestos, in its formulation.

8 Another term for brake pads that use synthetic fibers is called ___-_____ organic (NAO).

9 Starting in 1964, brake linings have been using s standardized way to identify the brake lining materials, The ____ ____ follow the SAE Standard J866a.

12 _____ is the term used to describe naturally occurring silicate minerals that consist of long fibers.