



# Asphalt, m.n /æsfælt/



## Definition

Kind of bitumen. Is a sticky, black and highly viscous liquid or semi-solid form of petroleum. It may be found in natural deposits or may be a refined product; it is a substance classed as a pitch.

### Examples:

-The **asphalt** begins thousands of years before the founding of the United States 

### Reference:

<http://www.beyondroads.com/index.cfm?fuseaction=page&filename=history.html>

-Hot mix **asphalt** pavement as it is more commonly called, refers to the bound layers of a flexible pavement structure. 

### Reference:

<http://www.industrialresourcescouncil.org/Applications/HotMixAsphaltPavement/tabid/378/Default.aspx>

- Rubberized **asphalt** was used for the first time, mixing crumb rubber from used tires with asphalt. 

Reference: [http://en.wikipedia.org/wiki/Road\\_surface](http://en.wikipedia.org/wiki/Road_surface)

### Related words:

**Bitumen**, <http://en.wiktionary.org/wiki/bitumen> 

**Asphalt Concrete**, [http://en.wikipedia.org/wiki/Asphalt\\_concrete](http://en.wikipedia.org/wiki/Asphalt_concrete) 

**Distillation**, <http://en.wikipedia.org/wiki/Distillation> 

**Pitch**, [http://en.wikipedia.org/wiki/Pitch\\_%28resin%29](http://en.wikipedia.org/wiki/Pitch_%28resin%29) 

**Crude oil**, [http://en.wikipedia.org/wiki/Crude\\_oil](http://en.wikipedia.org/wiki/Crude_oil) 

**Pronunciation:** (The website includes audio)

<http://upload.wikimedia.org/wikipedia/commons/a/a8/En-us-asphalt.ogg>

### Video on YOUTUBE

<https://www.youtube.com/watch?v=z7jmib1ztQ0>



# Hydrocarbon, m.n / ha-hy-druh-kahr-buh n/



## Definition

Hydrocarburet. Is an organic compound consisting entirely of hydrogen and carbon. The majority of hydrocarbons found naturally occur in crude oil, where decomposed organic matter provides an abundance of carbon and hydrogen which, when bonded, can catenate to form seemingly limitless chains.

Examples:

- The combinations of functional groups with **hydrocarbons** produce a vast number of compounds. 

Reference: <http://hyperphysics.phy-astr.gsu.edu/hbase/organic/hydrocarbon.html>

- Unsaturated **hydrocarbons** contain either double or triple bonds. 

Reference: <http://www.elmhurst.edu/~chm/vchembook/500hydrocarbons.html>

- The Aromatic **Hydrocarbons** which contains benzene ring are called benzoids. 

Reference: <http://www.allsubjects4you.com/Hydrocarbons.htm>

## Related words:

**Hydrogen**, <http://en.wikipedia.org/wiki/Hydrogen> 

**Carbon**, <http://en.wikipedia.org/wiki/Carbon> 

**Paraffins**, <http://www.shell.com/chemicals/products-services/our-products/solvents/hydrocarbon-solvents/paraffins.html> 

**Isomer**, <http://en.wikipedia.org/wiki/Isomer> 

**Benzene**, <http://en.wikipedia.org/wiki/Benzene> 

**Pronunciation:** (The website includes audio)

<http://dictionary.reference.com/browse/hydrocarbon>

**Video on YOUTUBE**

<https://www.youtube.com/watch?v=WVkJehuw9IQ>

