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fluids used in refrigerators
and air-conditioners are
known as refrigerants. The

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refrigerant absorbs the heat from evaporator, which is at a low temperature and distributes that heat to the atmosphere, which is at a high temperature. In air conditioners, the refrigerant absorbs room

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heat and throws it in to the
atmosphere keeping the room
cool.

Applications of Fluid
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Fluid mechanics is the

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branch of physics which involves the study of fluids (liquids, gases, and plasmas) and the forces on them. Fluid mechanics can be divided into fluid statics, the study of fluids at rest; and fluid dynamics, the

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study of the effect of forces on fluid motion. It is a branch of continuum mechanics, a subject which models matter without using the information that it is made out of atoms, that is, it models matter from a

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macroscopic viewpoint rather
than from a microscopic ...

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Fluid mechanics is the
branch of physics concerned

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with the mechanics of fluids and the forces on them. It has applications in a wide range of disciplines, including mechanical, civil, chemical and biomedical engineering, geophysics, oceanography, meteorology,

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astrophysics, and biology.

It can be divided into fluid statics, the study of fluids at rest; and fluid dynamics, the study of the effect of forces on fluid motion. It is a branch of continuum mechanics, a subject which

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models matter witho

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Applications of fluid
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application areas of fluid
mechanics (or fluid
dynamics) Geophysical

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phenomenon; Naval
architecture; Hydrology;
Aerospace; Aerodynamics;
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hydrodynamic; Cardiovascular
study; Biophysics; Pipe
network; Turbo-machinery;

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Fluid Mechanics |
Definition, Types,
Applications [Brief ...
Fluid mechanics is the study
of fluid behavior (liquids,

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gases, blood, and plasmas)
at rest and in motion. Fluid
mechanics has a wide range
of applications in
mechanical and chemical
engineering, in biological
systems, and in
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chapter fluid mechanics and
its application in
biological systems are
presented and discussed.

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Fluid mechanics provides the theoretical foundation for hydraulics, which focuses on the engineering uses of fluid properties. In fluid power, hydraulics are used for the generation, control, and transmission of power by

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the use of pressurized
liquids.

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Though applications of
Bernoulli's principle are
among the most dramatic

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examples of fluid mechanics
in operation, the everyday
world is filled with
instances of other ideas at
work. Pascal's principle,
for instance, can be seen in
the operation of any number
of machines that represent

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variations on the idea of a
hydraulic press.

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mechanics is an ancient
science that alive
incredibly today. The modern
technology requires a deeper
understanding of the
behavior of real fluid on

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other hand mathematical problems solved by new discovery. Fluid mechanics played a special role

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Archimedes'

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PrincipleArchimedes'

Principle states that "when a body is wholly or partially immersed in a fluid, it is acted upon by an upthrust which is equal to the weight of the fluid displaced. This upthrust, or

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buoyancy, act through the
centre of mass of the
displaced fluid.

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Mechanics ...

Fluid mechanics helps us understand the behavior of fluid under various forces and at different atmospheric conditions, and to select the proper fluid for various

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Engineering Ppt applications. This field is studied in detail within Civil Engineering and also to great extent in Mechanical Engineering and Chemical Engineering.

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fluid mechanics Ppt Viscosity.

Posted By: Tony Onwujiariri
March 30, 2017. If we move through a pool of water we experience a resistance to our motion. This shows that there is a frictional force in liquids.

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Application of Viscosity to
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Hydraulics, branch of
science concerned with the
practical applications of
fluids, primarily liquids,

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in motion. It is related to fluid mechanics (q.v.), which in large part provides its theoretical foundation. Hydraulics deals with such matters as the flow of liquids in pipes, rivers, and channels and their

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confinement by dams and
tanks .

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