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Energy And  
**Moon**  
Material

**Prospective  
Energy And  
Material  
Resources**

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workplace. in  
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easy! So, are

you question?

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But, meantime,  
an inventory and  
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assessment of  
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prospective  
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resources is required. This book investigates the possibilities and limitations of various systems supplying manned bases on Moon with energy and other vital resources. The book collects

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together recent  
proposals and  
innovative  
options and ...

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# Read Free Moon Prospective Energy And Resources:

**Badescu . . .**

The Earth has limited material and energy resources.

Further development of the humanity will require going beyond our planet for mining and use of

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Resources  
extraterrestrial  
mineral  
resources and  
search of power  
sources. The  
exploitation of  
the natural  
resources of the  
Moon is a first  
natural step on  
this direction.  
Lunar materials  
may contribute  
to the

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betterment of  
conditions of  
people on Earth  
but ...

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Mining on the Moon is a still a fairly unrealistic option but several research projects are underway to test its potential.

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Energy And  
Material  
Renewable Energy  
on the Moon.

Resources on the  
Moon are  
abundant.

Platinum,  
silicon, iron,  
titanium,  
ammonia,  
mercury, and  
even water have  
been proven to  
exist on the  
Moon.

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## **Material** **Mining on the Moon for**

## **Renewable Energy**

This unit of study composed of 10 5E lessons helps students understand that energy and power are needed for work. People must decide which energy

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sources to use  
and how those  
sources affect  
Earth.

**Moon Power -  
Energy and Power  
| NASA**

The Moon bears  
substantial  
natural  
resources which  
could be  
exploited in the

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future.

Potential lunar resources may encompass processable materials such as volatiles and minerals, along with geologic structures such as lava tubes that together, might enable lunar

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habitation. The use of resources on the Moon may provide a means of reducing the cost and risk of lunar exploration and beyond.

## **Lunar resources - Wikipedia**

Problem : What  
is the

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gravitational  
Material potential energy  
Resources of the moon with  
respect to the  
earth? The mass  
of the moon is  
 $7.35 \times 10^{22}$   
kilograms and  
the mass of the  
earth is  $5.98 \times 10^{24}$   
kilograms.  
The earth moon  
distance is 384  
400 kilometers.

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Plugging into  
the formula,  $U =$   
 $7.63 \times 10^{22}$   
Megajoules.

**Gravitation:  
Potential:  
Problems on  
Potential Energy  
...**

This book  
investigates  
asteroids'



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prospective  
energy and  
material  
resources. It is  
a collection of  
topics related  
to asteroid  
exploration, and  
utilization. It  
presents past  
and future  
technologies and  
solutions to old  
problems that

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could become  
reality in our  
life time.

**Asteroids:  
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Potential Energy  
Thermal  
potential energy  
is potential  
energy at the

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atomic and  
molecular  
levels, where it  
has the  
potential of  
becoming kinetic  
energy or  
related forms of  
energy. Common  
types of thermal  
potential energy  
are chemical  
bonds,  
electrostatic or

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inter molecular  
forces, and  
nuclear bonds.

**Potential and  
Kinetic Energy  
Study Material**  
asteroids  
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04, 2020 Posted  
By Robin Cook  
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Mars, the Red  
Planet, fourth  
planet from the  
Sun, forever

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linked with 19  
and 20 Century  
fantasy of a  
bellicose,  
intelligent  
Martian  
civilization.

**Mars:**

**Prospective**

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Extracting helium-3 from the moon and returning it to Earth would, of course, be difficult, but the potential rewards would be staggering for those who embarked upon this venture.

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## Energy And Mining The Moon Material Resources - Rare Minerals - Helium 3

But, meantime,  
an inventory and  
proper social  
assessment of  
Moon's  
prospective  
energy and  
material  
resources is  
required. This  
book

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investigates the possibilities and limitations of various systems supplying manned bases on Moon with energy and other vital resources. The book collects together recent proposals and innovative

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a collection of  
topics related  
to asteroid  
exploration and  
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## Energy And

presents past  
and future

## Material

technologies and  
solutions to old  
problems that  
could become  
reality in

**Asteroids**

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Just 40 tons of this stuff has enough potential energy to meet the total U.S. electricity demand for a year. However, there is almost no helium-3 on Earth. The closest supply is on the moon.

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**How moon rocks  
could power the  
future -  
Technology ...**

Discuss  
potential energy  
and kinetic  
energy with the  
class. Write the  
energy equations  
on the board and  
discuss what  
each term  
represents. PE =



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Energy And  
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Resources

$$m \times g \times h =$$

potential energy  
is the product

of mass,  
acceleration due  
to gravity, and  
height  $KE = \frac{1}{2} \times$

$$m \times v^2 =$$

kinetic energy  
is the product  
of one-half  
mass, and the  
square of  
velocity.

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**Making Moon**

**Craters –**

**Activity -**

**TeachEngineering**

The oceans  
account for over  
70% of the  
earth's area  
(see Fig. 1).

[1] They serve  
as a source of  
renewable  
energy. The

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Energy And  
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Resources

energy of the  
oceans comes in  
various forms:  
thermal energy,  
kinetic energy  
from waves and  
tides, potential  
energy from  
changing tidal  
heights,  
chemical energy  
including fossil  
fuel stores,  
energy from

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osmotic  
gradients, as  
well as  
biological  
energy in the  
form of biomass.

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