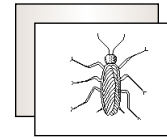


kids' kreation

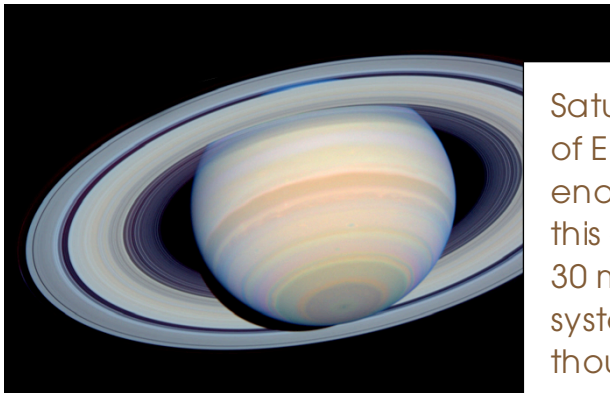


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GRAVITY & CHRIST'S GLORY

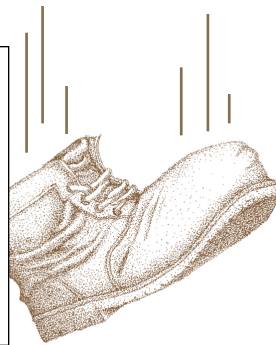
Revealing the beauty and wonder of our Creator!



Saturn has 100 times the mass of Earth. Its great size produces enormous gravity. Jesus uses this gravity to hold more than 30 moons and a gigantic ring system—stretching many thousands of miles—in orbit.

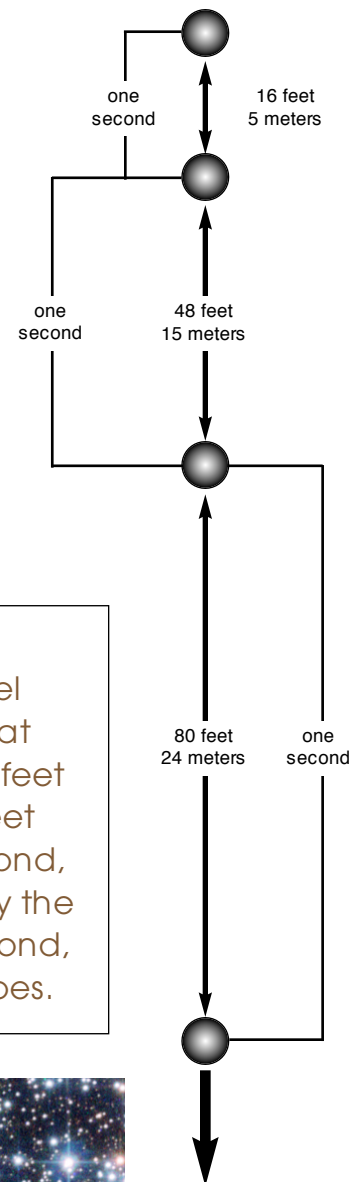


Gravity causes a shoe to fall to the floor. Gravity is also what keeps the Moon in orbit around the Earth.

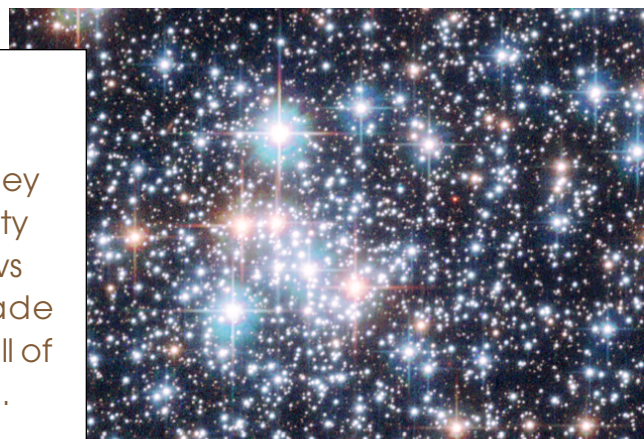


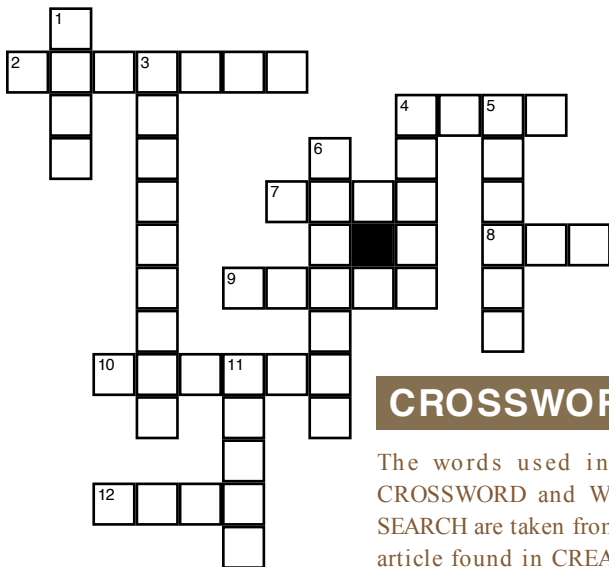
ACCELERATION

If you let go of a steel ball from a very great height it will drop 16 feet in one second, 48 feet during the next second, and 80 more feet by the end of the third second, speeding up as it goes.



This beautiful cluster of stars is called NGC 290. Many of these stars are bigger and brighter than the Sun. They are held together by immense gravity beyond our imagination. Christ knows each star by name because He made them. And He shines brighter than all of them put together (read Psalm 148).





CROSSWORD

The words used in the CROSSWORD and WORD SEARCH are taken from the article found in CREATOR Volume 13 Number 3.

Answers to CROSSWORD found in *kids' kreation* #56

Down: 1. GLASS 3. SHAPE
4. PARAMECIUM 5. JELLYFISH
8. DAPHNIA 9. RED 12. BLUE

Across: 2. PLANTS 6. DANGEROUS
7. LORD 10. EYE 11. CILIA
13. ANIMALS 14. ALGAE

Down

1. ____ is simply the "stuff" an object or living thing possesses.
3. The gravitational pull between two objects decreases as the distance between them ____.
4. "Acceleration" means that something increases in ____.
5. Sir Isaac ____ is the first person to give the world a solid understanding of gravity.
6. The acceleration of a roller coaster as it speeds down a hill is caused by ____.
11. The Sun is a beautiful illustration of God's ____.

Across

2. The astronomer ____ discovered that gravity accelerates an object, big or small, at the same rate.
4. If we commit our lives to Christ, He "will tread our ____ underfoot and hurl all our iniquities into the depths of the sea" (Micah 7:19 NIV).
7. TRUE or FALSE: An empty roller coaster goes the same speed as one filled with people?
8. The Earth has six times the gravity of the Moon. If you weighed 60 pounds (27 kilograms) on Earth, you would weigh ____ pounds (4.5 kilograms) on the Moon.
9. The most common Hebrew term in the Old Testament to describe God's glory is the word ____ which means "weightiness, heaviness or gravity."
10. The mass of an object is not the same as its ____.
12. The internal glory of God is like the inner workings of a ____ because we can't see either!

WORD BANK

ACCELERATE
ATTRACTION
EARTH
GLORY
GRAMS
GRAVITY
HAMMER
HILL
INVISIBLE
KAVOD
KILOGRAM
MASS
MOON
SLUGS
SPEED
STAR
SUN
WEIGHT

WORD SEARCH

E	A	R	T	H	M	A	S	S	N
L	T	G	L	O	A	G	T	K	O
B	G	A	O	E	R	C	A	Y	I
I	R	N	R	A	G	V	R	S	T
S	A	K	M	E	O	O	U	P	C
I	V	S	A	D	L	N	E	E	A
V	I	T	H	G	I	E	W	E	R
N	T	S	L	I	K	P	C	D	T
I	Y	S	G	U	L	S	O	C	T
H	A	M	M	E	R	L	G	R	A

FAMILY ACTIVITY:

Grow While You Sleep

Our Lord Jesus uses gravity to keep your feet firmly on the ground. Gravity also pulls your head down toward your feet ever so slightly. At night, your spinal column lengthens a little because gravity isn't pulling on it while you lie in bed. How much taller are you after a good night's sleep?

- Just before you go to bed in the evening, stand with your back against a wall and with your bare feet flat on the floor. Place a book on top of your head and square against the wall. Using a pencil, mark where the bottom of the book meets the wall (get permission from your parents first).
- In the morning, measure your height again by putting another mark on the wall. How much higher is the second mark than the first?
- Children are usually about one-quarter to one-half inch (one centimeter) taller in the morning!