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Vocabulary Builder Reference from...

Dr. Matt J. Carlson: Free falling in outer space | TED Talk

https://www.ted.com/talks/dr_matt_j_carlson_free_falling_in_outer_space

Advanced Words Only

IMPORTANT

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Session 1: Word List

comfy

adj. a casual, informal way of describing something comfortable or cozy, often associated with relaxation or leisure activities

synonym : cozy, comfortable, snug

(1) a **comfy** place to live, (2) **comfy** couch

I love wearing my **comfy** slippers on a lazy Sunday morning.

astronaut

n. a person trained by a space agency to travel outside the Earth's atmosphere

synonym : spaceman, cosmonaut

(1) **astronaut** mission, (2) **astronaut** in training

The shuttle **astronaut** trained for months before embarking on the space mission.

Newtonian

adj. relating to Sir Isaac Newton or his laws of motion and universal gravitation

synonym : classical, physics, mechanics

(1) **Newtonian** physics, (2) **Newtonian** mechanics

The motion of planets can be described using **Newtonian** mechanics.

cannon

n. a large, heavy gun fired from a fixed position or mounted on a vehicle, used in warfare or hunting

synonym : artillery, gun, ordnance

(1) **cannon** salute, (2) **cannon** ball

The heavy **cannon** fired a loud shot that echoed across the battlefield.

cannonball

n. a large metal or stone ball shot or fired from a cannon

synonym : projectile, ammunition, bullet

(1) a 4 kg **cannonball**, (2) human **cannonball**

The castle collapsed as multiple **cannonballs** hit the walls.

curvature

n. the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve

synonym : bend, arch, bow

(1) the degree of **curvature**, (2) spinal **curvature**

The **curvature** of the earth can be seen from space.

sideways

adv. towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle

synonym : to the edge, obliquely, sidelong

(1) fall **sideways**, (2) a **sideways** market

She glanced **sideways** at the conversation of the boy she was interested in.

Session 2: Spelling

1. a si____ys market *adv.* towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle
2. the degree of cu_____re *n.* the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve
3. as_____ut mission *n.* a person trained by a space agency to travel outside the Earth's atmosphere
4. human can_____ll *n.* a large metal or stone ball shot or fired from a cannon
5. Ne_____an physics *adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation
6. ca___n salute *n.* a large, heavy gun fired from a fixed position or mounted on a vehicle, used in warfare or hunting
7. ca___n ball *n.* a large, heavy gun fired from a fixed position or mounted on a vehicle, used in warfare or hunting
8. co__y couch *adj.* a casual, informal way of describing something comfortable or cozy, often associated with relaxation or leisure activities
9. fall si____ys *adv.* towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle

ANSWERS: 1. sideways, 2. curvature, 3. astronaut, 4. cannonball, 5. Newtonian, 6. cannon, 7. cannon, 8. comfy, 9. sideways

10. a co__y place to live *adj.* a casual, informal way of describing something comfortable or cozy, often associated with relaxation or leisure activities
11. as_____ut in training *n.* a person trained by a space agency to travel outside the Earth's atmosphere
12. a 4 kg can_____ll *n.* a large metal or stone ball shot or fired from a cannon
13. Ne_____an mechanics *adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation
14. spinal cu_____re *n.* the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve

ANSWERS: 10. comfy, 11. astronaut, 12. cannonball, 13. Newtonian, 14. curvature

Session 3: Fill in the Blanks

1. The heavy _____ fired a loud shot that echoed across the battlefield.
n. a large, heavy gun fired from a fixed position or mounted on a vehicle, used in warfare or hunting
2. She glanced _____ at the conversation of the boy she was interested in.
adv. towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle
3. I love wearing my _____ slippers on a lazy Sunday morning.
adj. a casual, informal way of describing something comfortable or cozy, often associated with relaxation or leisure activities
4. The castle collapsed as multiple _____ hit the walls.
n. a large metal or stone ball shot or fired from a cannon
5. The shuttle _____ trained for months before embarking on the space mission.
n. a person trained by a space agency to travel outside the Earth's atmosphere
6. The _____ of the earth can be seen from space.
n. the degree to which a line or surface deviates from being straight or flat; a measure of the amount of bending of a curve
7. The motion of planets can be described using _____ mechanics.
adj. relating to Sir Isaac Newton or his laws of motion and universal gravitation

ANSWERS: 1. cannon, 2. sideways, 3. comfy, 4. cannonballs, 5. astronaut, 6. curvature, 7. Newtonian