

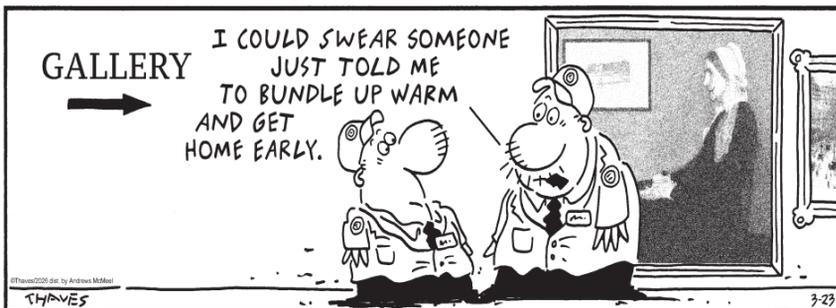
GARFIELD



ROSE IS ROSE



FRANK & ERNEST



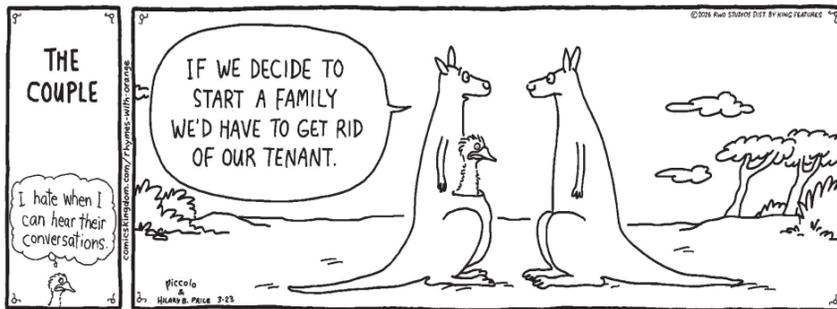
MUTTS



THE GRIZZWELLS



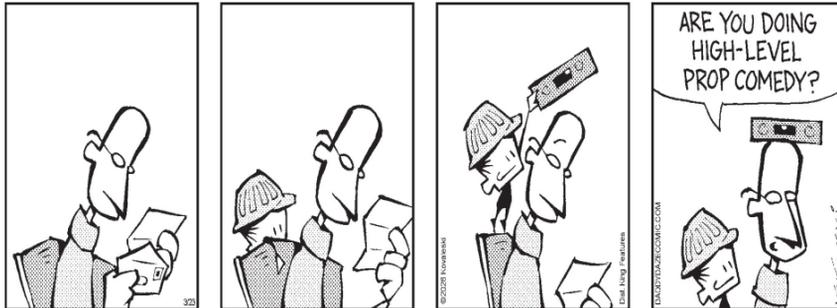
RHYMES WITH ORANGE



BEETLE BAILEY



DADDY DAZE



ADAM DAILIES



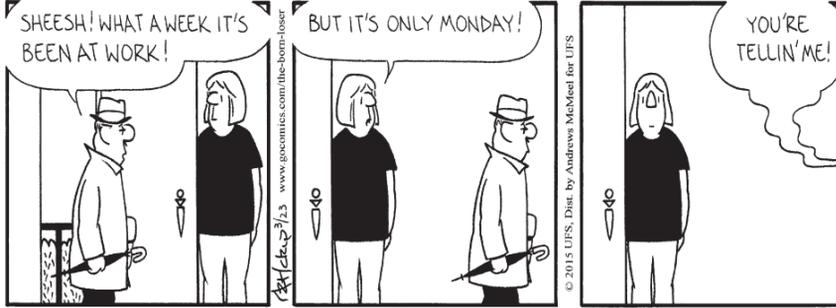
MODERATELY CONFUSED



REALITY CHECK



THE BORN LOSER



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What did one uranium atom say to the other? Let's split.

A ball of uranium with a radius of about 5 cm (2 in.) can produce more energy than 10,000 tonnes (9,800 tons) of coal.

What happens if someone steals uranium? It becomes their-anium.

Uranium has the second-largest atoms of any element. Only plutonium has larger atoms.

Why doesn't uranium like to work at a stressful job? It breaks down too easily.

Uranium was discovered in 1789 by Martin Klaproth of Germany. He named it after the planet Uranus, which was discovered a few years earlier.

"Enriched uranium" is uranium that has been processed to contain a higher percentage of uranium-235. The enriched uranium used in nuclear power plants contains only about 2% to 4% uranium-235.

Uranium is found just about everywhere in nature, but the concentrations are extremely low. A chunk of the Earth's crust weighing 450,000 kg (1 million lbs.) would contain only about 14 kg (3 lbs.) of uranium.

How does uranium stay in good shape? It keeps radioactive.

Most people associate uranium with radioactivity. Radioactivity is the product of an atom with an unstable nucleus. The unstable nucleus will decay, or break apart, over time, releasing energy and particles. Because of its radioactivity, uranium has become one of the most widely used elements for electrical energy, medical imaging and powerful weapons.

Going, Going, Gone!
Depleted uranium is the result of the process of enriching uranium. Depleted uranium has a much lower level of radioactivity than natural uranium. Because of its heavy weight, it is used for a variety of purposes, including radiation shields, aircraft parts and armor plating.

Neutron Dance
An isotope is a variation of an element that has a different number of neutrons in its nucleus. Uranium has three naturally occurring isotopes. Uranium-238 is the most common isotope of uranium. It accounts for nearly 99% of all the uranium found in nature. Uranium-235 is the only isotope found in nature that is capable of sustaining a nuclear fission chain reaction. Nuclear fission is used in nuclear reactors and atomic bombs.

Enriched Uranium
Can you spot all six differences between these two scenes?

Word Search
Can you find the hidden words? Search carefully because some words are backward or diagonal.

URANIUM ACTIVE ATOM
ELEMENT ENRICH RADIO
NUCLEUS HEAVY CHAIN
ISOTOPE DECAY LEAD
NATURE THREE COAL
ENERGY CRUST BOB
RINGTAILLEMUR
USECHNAPRLOLA
YOUAREEUSEASD
BTTLEUTMVMUCI
DOHLEASIEEEH
MPBCNATTLNAP
TENTICDCATEIM
MUIINARUNODRNS
DOGPANNICEGGS
DECAYVAEHEYES

GAME ANSWERS: 1. Nege is different. 2. Atom is missing. 3. Bill is behind hat. 4. Plowth is different. 5. Bill is missing. 6. Eyebrows are different.

Shortcuts
by Jeff Harris

A Light Look At Uranium

92
U
238.03