

JEOPARDY!

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A Public Health Response to a Nuclear or Radiological Incident



Units of
Measure

ARS

Forms of
Radiation

Triage and
Treatment

Radiation
General

\$100

\$100

\$100

\$100

\$100

\$200

\$200

\$200

\$200

\$200

\$300

\$300

\$300

\$300

\$300

\$400

\$400

\$400

\$400

\$400

\$500

\$500

\$500

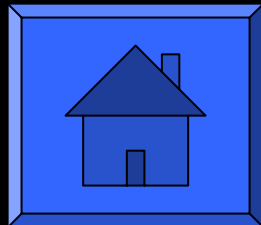
\$500

\$500

**This unit was named
after a Nobel prize
winning woman.**



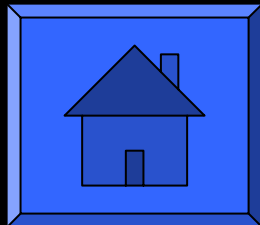
What is a curie?



Unit in U.S. for dose equivalent



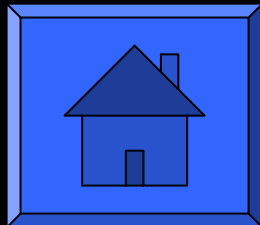
What is a rem?



100 rem equals one of
these SI units



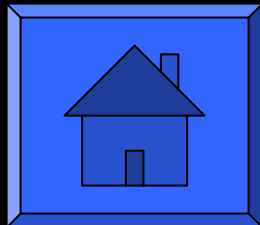
What is a Sievert?



The SI unit for measuring
radioactivity



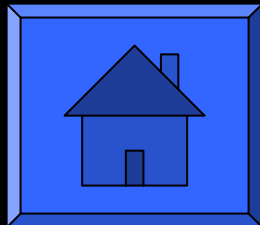
What is a Becquerel?



**1 rad = 10 of these
SI units.**



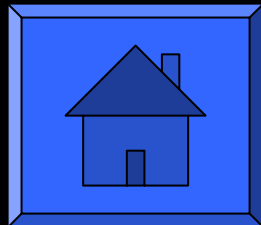
What is a milliGray?



This type of blood cell is
the most radiosensitive



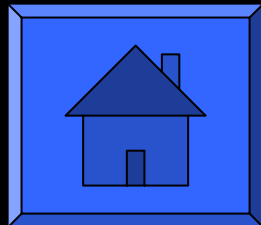
**What is a
lymphocyte?**



This type of blood cell is the least radiosensitive.



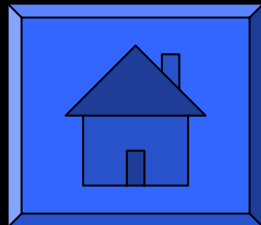
**What is a red
blood cell?**



The dose of radiation to cause an adverse effect on this organ system is higher for women than it is for men.



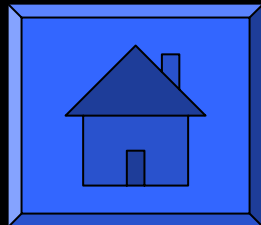
**What is the
reproductive
system?**



**Radiation doses
above this level
have a 90-100%
fatality rate.**



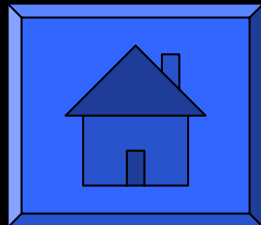
**What are 10 Grays
or 1,000 Rads?**



**These are the four
conditions required
for acute radiation
sickness.**



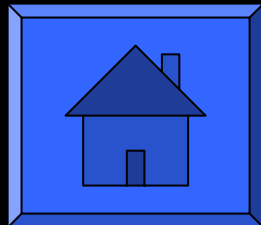
What is
an acute exposure
of >1 Gray of
penetrating radiation
where most of the body
is exposed?



**This form of radiation
can be shielded with a
piece of paper.**



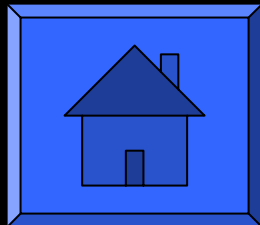
What is alpha radiation?



Radiation of this type is
given off as a wave of
energy.



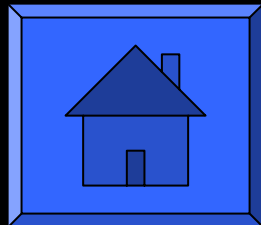
What is gamma radiation?



**The sum of an
atom's protons and
neutrons.**



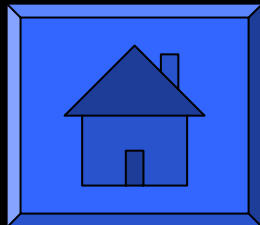
**What is atomic
mass?**



**This radiation is a
particle from a
decaying neutron.**



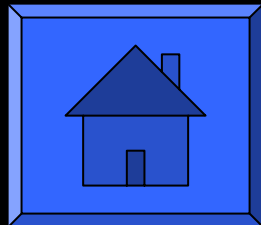
What is beta radiation?



**This form of radiation
has the greatest
penetrating power.**



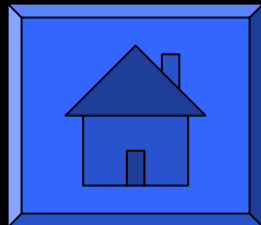
What is neutron radiation?



**This agent can prevent
the absorption of
Iodine 131**



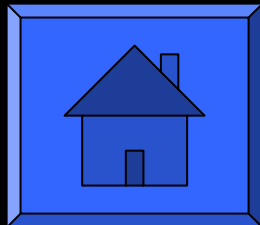
What is KI or potassium iodide?



**This procedure should
never precede lifesaving
medical care for those with
radiation exposure.**



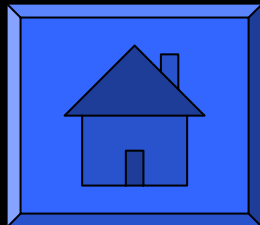
What is decontamination?



If vomiting and diarrhea develop within this time, the prognosis is very poor after exposure to ionizing radiation.



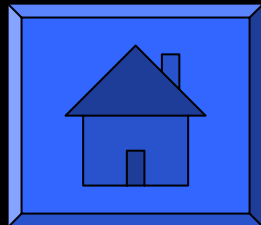
What is 30 minutes?



**This chelating agent
must be given by
injection.**



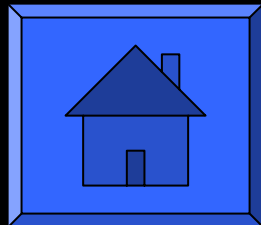
**What is calcium or zinc
DPTA?**



This agent is given orally to treat exposures to cesium¹³⁷.

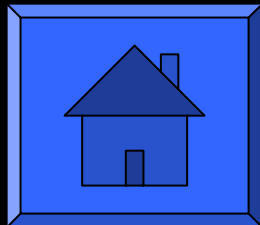


What is Prussian blue?



**This type of radiation
can strip electrons
from atoms.**

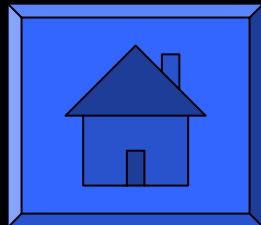
What is ionizing radiation?



**These devices can
measure a person's
total exposure to
radiation.**



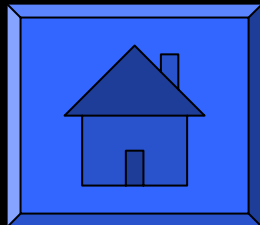
What is personal dosimetry?



**Gives off beta
radiation when it
decays.**



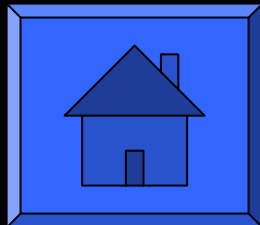
What is a neutron?



**The three protective
measures to reduce
exposure to
radiation.**



**What are time,
distance and
shielding?**



**Doing this can
reduce external
contamination about
80-90%.**



**What is remove
clothing?**

