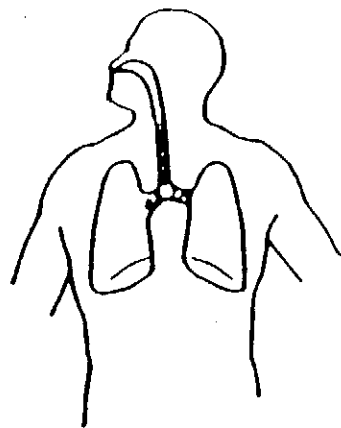
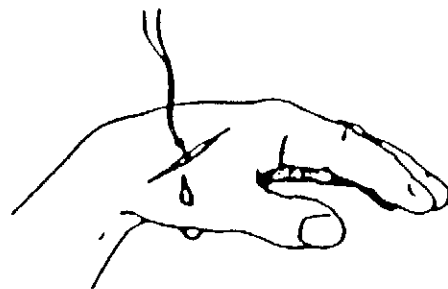


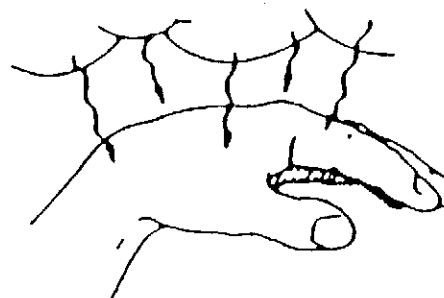
Radioactive materials may enter the body by:



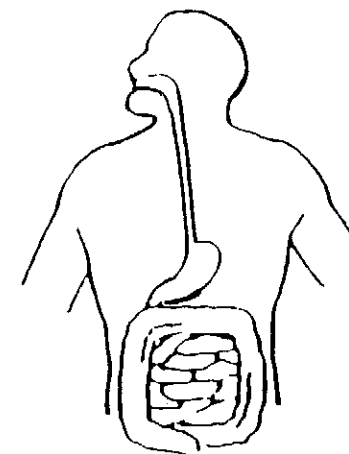
inhalation



cuts/wounds



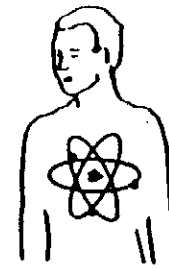
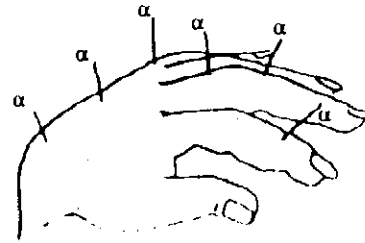
absorption



ingestion

Alpha radiation is only a hazard when inside your body (INTERNAL HAZARD).

cannot get through skin



internal hazard

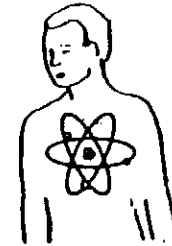
stopped by paper



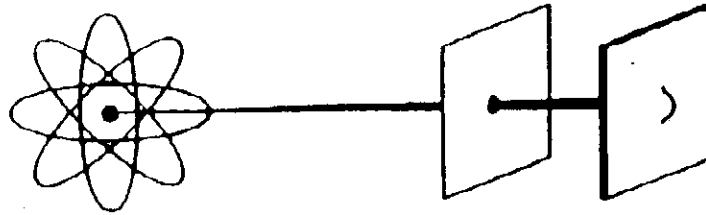
soil, radon, and heavy man-made elements

Beta radiation is a SKIN, EYE, and INTERNAL HAZARD.

skin, eye, and
internal hazard



stopped
by
plastic



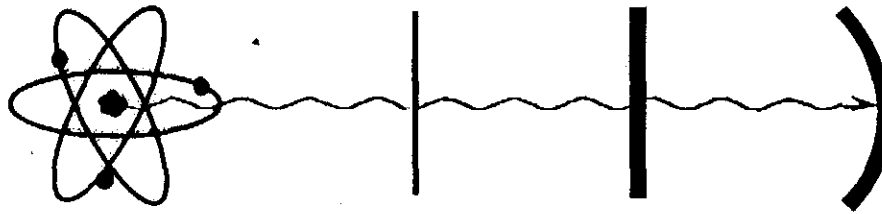
natural food,
water, air



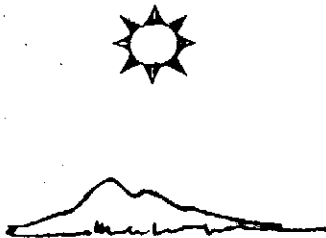
medical, research,
reactors, fallout

X and gamma radiation are penetrating radiation and an **EXTERNAL HAZARD**.

stopped by
dense shielding
or large amounts



naturally present
in soil and in
cosmic radiation

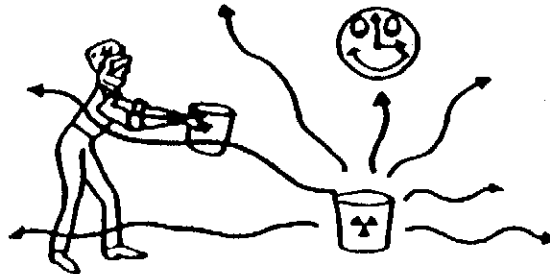


medical,
radioactive
materials

Basic protective measures used to reduce external exposure are:

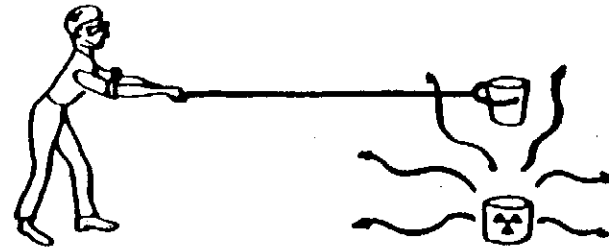
TIME

reduce time



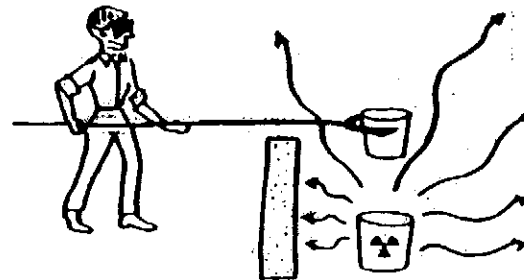
DISTANCE

increase distance

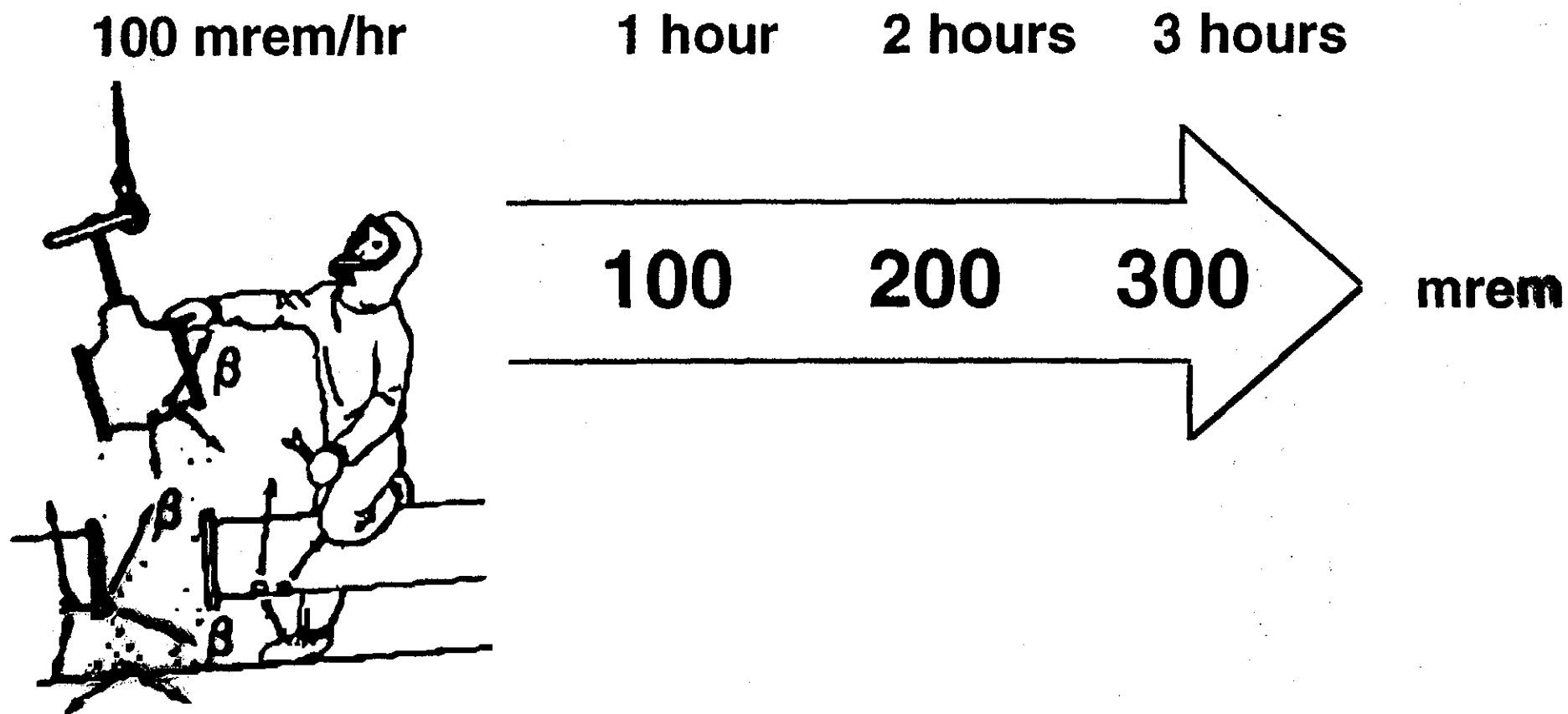


SHIELDING

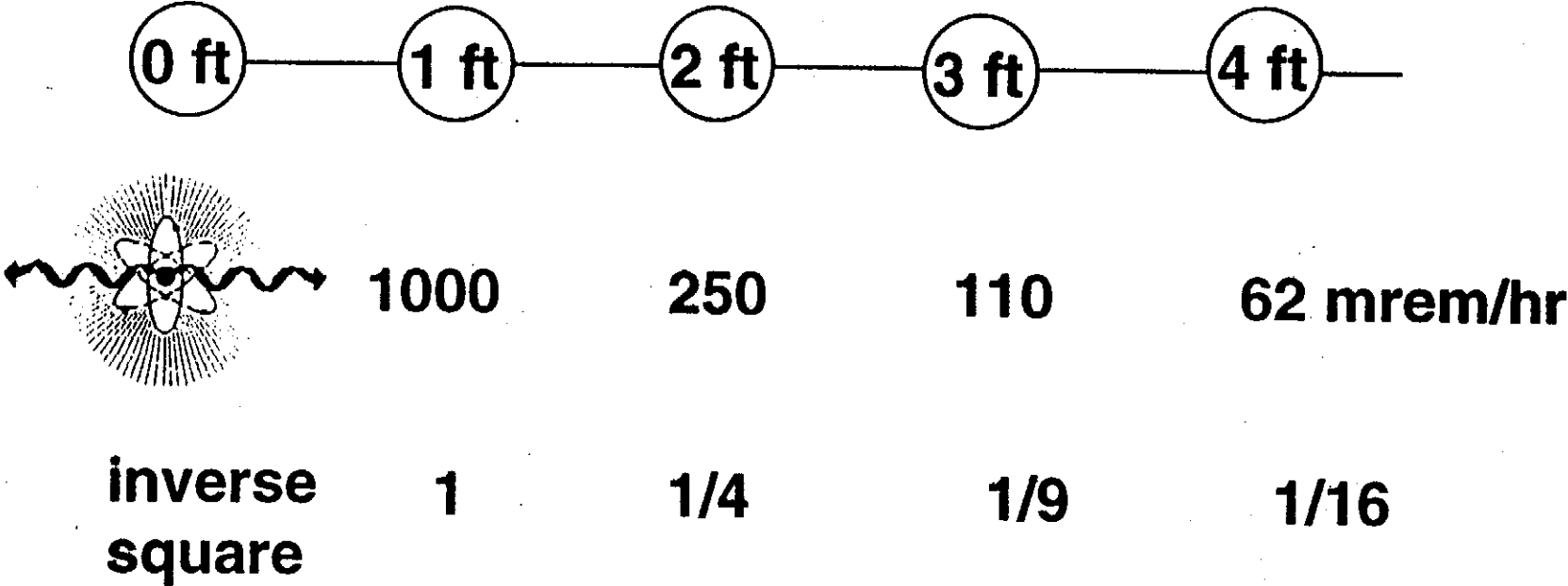
use shielding



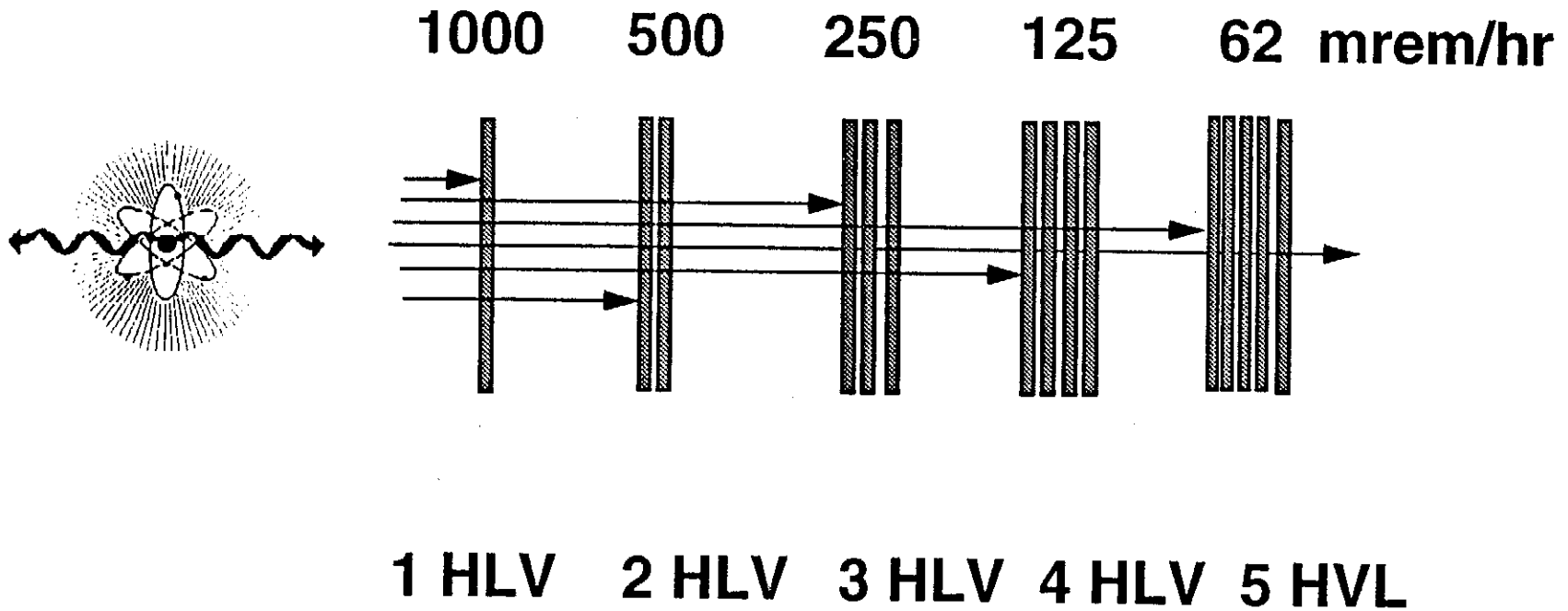
Reducing the time in a field of radiation will lower the dose received.



Stay as far away from sources of radiation as practical.



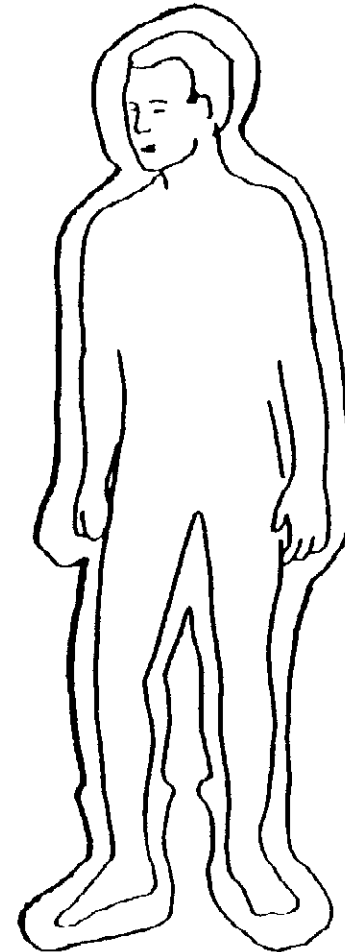
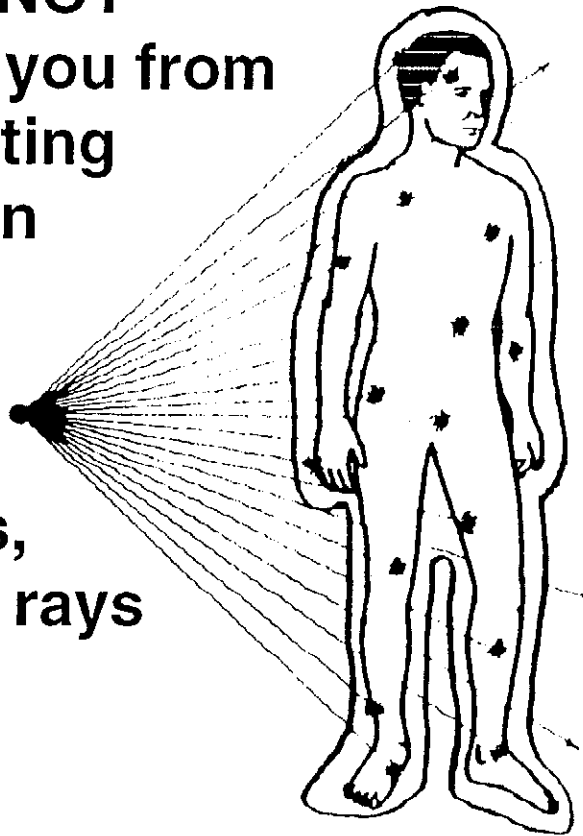
Shielding can reduce the radiation dose.



Personnel protective clothing is to protect your skin and personal clothing.

It does NOT
protect you from
penetrating
radiation

such as,
gamma rays



**RADIOACTIVE CONTAMINATION is
radioactive material where you don't want it.**

