

# IONIZING RADIATION

## THYROID

iodine-131  
beta (gamma) ; 8 days

## SKIN

sulphur-35  
beta ; 87 days

## LIVER

cobalt-60  
beta (gamma) ; 5 years

## OVARIES

iodine-131  
beta (gamma) ; 8 days

cobalt-60  
beta (gamma) ; 5 years

krypton-85  
gamma ; 10 years

ruthenium-106  
gamma ; 1 year

zinc-65  
gamma ; 245 days

barium-140  
gamma ; 13 days

potassium-42  
gamma ; 12 hours

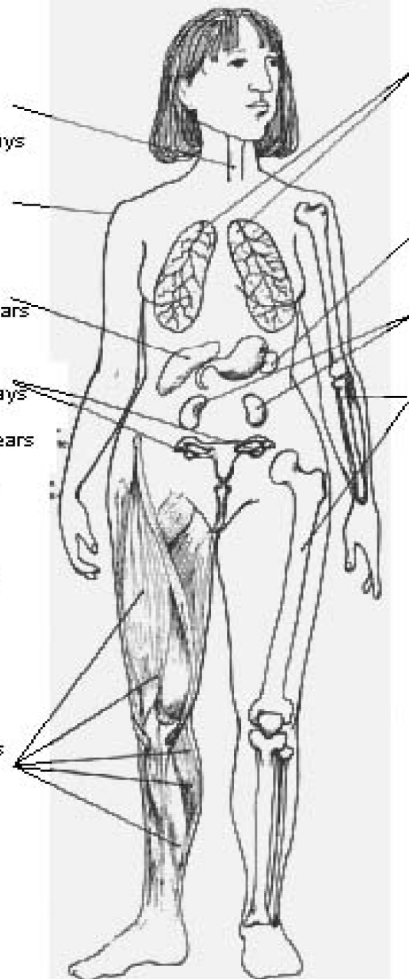
cesium-137  
gamma ; 30 years

plutonium-239  
alpha ; 24 000 years

## MUSCLE

potassium-42  
gamma ; 12 hours

cesium-137  
gamma ; 30 years



## LUNGS

radon-222 (and whole body)  
alpha ; 3,8 days

uranium-233 (et os)  
alpha ; 162 000 years

plutonium-239 (and bone)  
alpha ; 24 000 years

## SPLEEN

polonium-210 (and whole body)  
alpha ; 138 days

## KIDNEYS

uranium-238 (and bone)  
alpha ; 4 500 000 years

ruthenium-106  
gamma (beta) ; 1 year

## BONE

radium-226  
alpha ; 1 620 years

zinc-65  
gamma ; 245 days

strontium-90  
beta ; 28 years

yttrium-90  
beta ; 64 hours

promethium-147  
beta ; 2 years

barium-140  
beta (gamma) ; 13 days

thorium-234  
beta ; 24,1 days

phosphorus-32  
beta ; 14 days

carbon-14 (and fat)  
beta ; 5 600 years

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