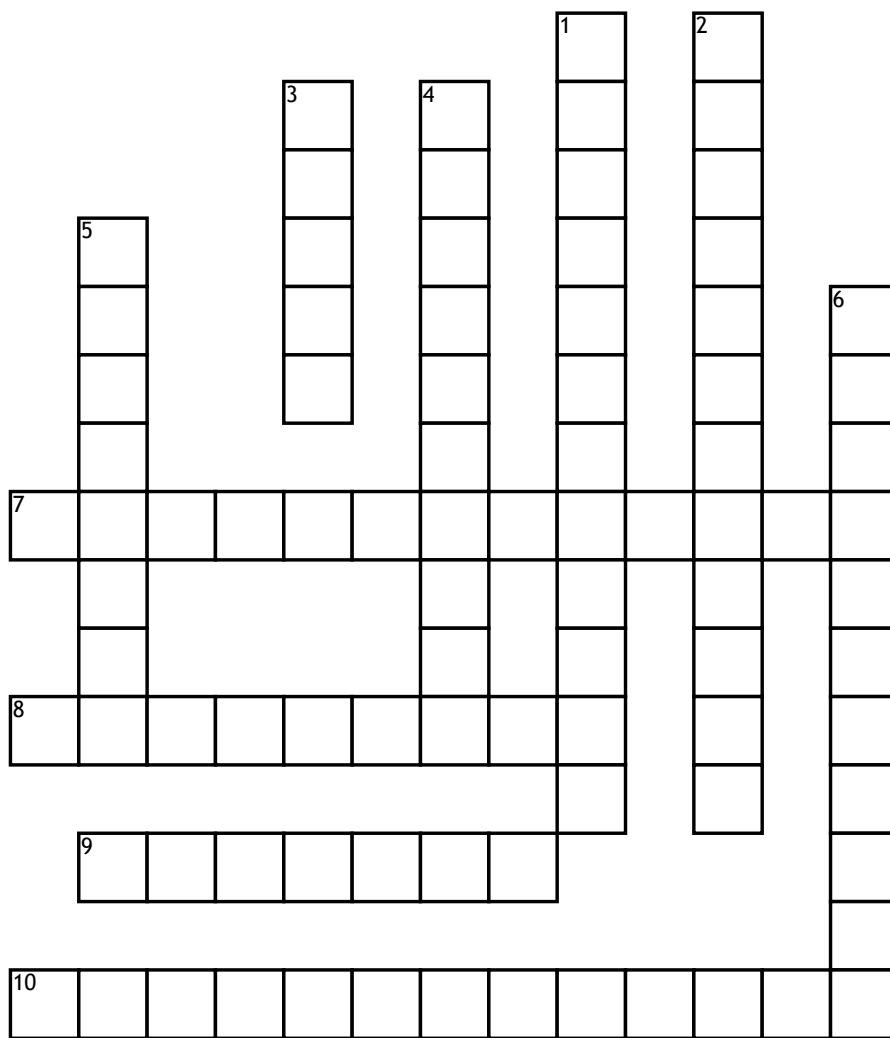


Name: _____

Date: _____

Nuclear Medicine



Across

7. particulate form of ionizing radiation consisting of a helium nucleus that passes two protons and two neutrons

8. unit of radioactivity in SI

9. nuclides of the same element that have different atomic mass but the same atomic number

10. deposition of radioactive material in any place where its presence is not desired

Down

1. ionizing radiation with characteristics of an electron emitted from the nucleus of a radioactive atom

2. type of atom whose nucleus disintegrates spontaneously

3. Imaging system that uses one to three gamma detectors to produce tomographic images of an organ or structure

4. device used to confine the elements of a beam within an assigned solid angle

5. time required for disintegration of half of the original activity of a radioactive nuclide

6. reduction in radiation intensity as it passes through matter

Word Bank

alpha particle

Radionuclide

Becquerel

Beta Particle

attenuation

Contamination

Isotope

Collimator

Half-life

SPECT