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- 1 Inspect the tappet noise and engine vibration and adjust if necessary
- 2 Inspect the valve clearance using thickness gauge and adjust if necessary
- 3 The oil may start use API SAE or ICD
- 4 After 160,000 km (100,000 miles) or 18 months, inspect every 20,000 km (12,500 miles) or 12 months
- 5 Check that the radiator and condenser are not blocked with leaves, dirt, or insects, and clean the hose connection.
- 6 Use "Toyota Long-Life Coolant" or equivalent
- 7 Including the filter in the fuel tank.
- 8 If the fuel system has a high level of contamination, such as fuel supplied from a drum, replace every 10,000 km (6,200 miles) or 12 months

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**Michael Hoelscher**



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web similarities and differences among the elements give rise to so called periodic trends both across rows and within columns of the periodic table recognizing periodic trends in the physical and chemical properties of the elements is key to understanding the full value of the periodic table concepts periodic table periodic trends

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web 8 nuclear chemistry the nuclear reactions that involve changes in the nucleus of an atom radioactivity and the related terminologies are introduced radioactive nucleoids disintegrate and emit smaller particles and energy and the decay modes like alpha beta gamma or positron decay modes are described

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web mar 15 2022 to balance a nuclear reaction the two general kinds of nuclear reactions are nuclear decay reactions and nuclear transmutation reactions in a nuclear decay reaction also called radioactive decay an unstable nucleus emits radiation and is transformed into the nucleus of one or more other elements

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web energy levels according to the nuclear shell model nucleons exist in different energy levels or shells in the nucleus the numbers of nucleons that represent completed nuclear energy levels 2 8 20 28 50 82 and 126 are called magic numbers  
nuclear chemistry 703 figure 22.2 the neutron proton ratios of stable nuclides clus

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web a unit used to measure nuclear radiation equal to the amount of radiation that produces  $2 \times 10^9$  ion pairs when it passes through 1 cm<sup>3</sup> of dry air rem the quantity of ionizing radiation that does as much damage to human tissue as

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web nuclide identified by the number of protons and neutrons in its nucleus mass defect difference between the mass of an atom and the sum of the masses of its protons neutrons and electrons binding energy per nucleon binding energy of the nucleus divided by the number of nucleons it contains band of stability