

Study Card for Campbell-Reece Biology Seventh Edition

STUDY CARD

for CAMPBELL-REECE BIOLOGY Seventh Edition

Exploring Life: Ch. 1

1. Life exists on this planet because of the following conditions:
 - a. The planet is the right size to hold water.
 - b. The planet is the right distance from the sun to have liquid water.
 - c. The planet has a magnetic field to protect it from solar radiation.
 - d. The planet has a thick atmosphere to protect it from solar radiation.
2. The chemical nature of life:
 - a. Carbon is the most abundant element in life.
 - b. Oxygen is the second most abundant element in life.
 - c. Hydrogen is the third most abundant element in life.
 - d. Nitrogen is the fourth most abundant element in life.
 - e. Phosphorus is the fifth most abundant element in life.
 - f. Sulfur is the sixth most abundant element in life.
 - g. Calcium is the seventh most abundant element in life.
 - h. Potassium is the eighth most abundant element in life.
 - i. Sodium is the ninth most abundant element in life.
 - j. Magnesium is the tenth most abundant element in life.
 - k. Iron is the eleventh most abundant element in life.
 - l. Zinc is the twelfth most abundant element in life.
 - m. Copper is the thirteenth most abundant element in life.
 - n. Manganese is the fourteenth most abundant element in life.
 - o. Iodine is the fifteenth most abundant element in life.
 - p. Selenium is the sixteenth most abundant element in life.
 - q. Vanadium is the seventeenth most abundant element in life.
 - r. Chromium is the eighteenth most abundant element in life.
 - s. Molybdenum is the nineteenth most abundant element in life.
 - t. Cobalt is the twentieth most abundant element in life.
 - u. Nickel is the twenty-first most abundant element in life.
 - v. Silver is the twenty-second most abundant element in life.
 - w. Gold is the twenty-third most abundant element in life.
 - x. Platinum is the twenty-fourth most abundant element in life.
 - y. Palladium is the twenty-fifth most abundant element in life.
 - z. Rhodium is the twenty-sixth most abundant element in life.
 - aa. Rhenium is the twenty-seventh most abundant element in life.
 - ab. Ruthenium is the twenty-eighth most abundant element in life.
 - ac. Technetium is the twenty-ninth most abundant element in life.
 - ad. Zirconium is the thirtieth most abundant element in life.
 - ae. Niobium is the thirty-first most abundant element in life.
 - af. Molybdenum is the thirty-second most abundant element in life.
 - ag. Technetium is the thirty-third most abundant element in life.
 - ah. Ruthenium is the thirty-fourth most abundant element in life.
 - ai. Rhodium is the thirty-fifth most abundant element in life.
 - aj. Palladium is the thirty-sixth most abundant element in life.
 - ak. Silver is the thirty-seventh most abundant element in life.
 - al. Cadmium is the thirty-eighth most abundant element in life.
 - am. Indium is the thirty-ninth most abundant element in life.
 - an. Tin is the fortieth most abundant element in life.
 - ao. Antimony is the forty-first most abundant element in life.
 - ap. Tellurium is the forty-second most abundant element in life.
 - aq. Iodine is the forty-third most abundant element in life.
 - ar. Xenon is the forty-fourth most abundant element in life.
 - as. Barium is the forty-fifth most abundant element in life.
 - at. Lanthanum is the forty-sixth most abundant element in life.
 - au. Cerium is the forty-seventh most abundant element in life.
 - av. Praseodymium is the forty-eighth most abundant element in life.
 - aw. Neodymium is the forty-ninth most abundant element in life.
 - ax. Promethium is the fiftieth most abundant element in life.
 - ay. Samarium is the fifty-first most abundant element in life.
 - az. Europium is the fifty-second most abundant element in life.
 - ba. Gadolinium is the fifty-third most abundant element in life.
 - bb. Terbium is the fifty-fourth most abundant element in life.
 - bc. Dysprosium is the fifty-fifth most abundant element in life.
 - bd. Holmium is the fifty-sixth most abundant element in life.
 - be. Erbium is the fifty-seventh most abundant element in life.
 - bf. Thulium is the fifty-eighth most abundant element in life.
 - bg. Ytterbium is the fifty-ninth most abundant element in life.
 - bh. Lutetium is the sixtieth most abundant element in life.
 - bi. Hafnium is the sixty-first most abundant element in life.
 - bj. Tantalum is the sixty-second most abundant element in life.
 - bk. Tungsten is the sixty-third most abundant element in life.
 - bl. Rhenium is the sixty-fourth most abundant element in life.
 - bm. Osmium is the sixty-fifth most abundant element in life.
 - bn. Iridium is the sixty-sixth most abundant element in life.
 - bo. Platinum is the sixty-seventh most abundant element in life.
 - bp. Gold is the sixty-eighth most abundant element in life.
 - bq. Mercury is the sixty-ninth most abundant element in life.
 - br. Thallium is the seventieth most abundant element in life.
 - bs. Lead is the seventy-first most abundant element in life.
 - bt. Bismuth is the seventy-second most abundant element in life.
 - bu. Polonium is the seventy-third most abundant element in life.
 - bv. Astatine is the seventy-fourth most abundant element in life.
 - bw. Radon is the seventy-fifth most abundant element in life.
 - bx. Francium is the seventy-sixth most abundant element in life.
 - by. Radium is the seventy-seventh most abundant element in life.
 - bz. Actinium is the seventy-eighth most abundant element in life.
 - ca. Thorium is the seventy-ninth most abundant element in life.
 - cb. Protactinium is the eightieth most abundant element in life.
 - cc. Uranium is the eighty-first most abundant element in life.
 - cd. Neptunium is the eighty-second most abundant element in life.
 - ce. Plutonium is the eighty-third most abundant element in life.
 - cf. Americium is the eighty-fourth most abundant element in life.
 - cg. Curium is the eighty-fifth most abundant element in life.
 - ch. Berkelium is the eighty-sixth most abundant element in life.
 - ci. Californium is the eighty-seventh most abundant element in life.
 - cj. Einsteinium is the eighty-eighth most abundant element in life.
 - ck. Fermium is the eighty-ninth most abundant element in life.
 - cl. Mendelevium is the ninetieth most abundant element in life.
 - cm. Nobelium is the ninety-first most abundant element in life.
 - cn. Lawrencium is the ninety-second most abundant element in life.
 - co. Rutherfordium is the ninety-third most abundant element in life.
 - cp. Dubnium is the ninety-fourth most abundant element in life.
 - cq. Seaborgium is the ninety-fifth most abundant element in life.
 - cr. Bohrium is the ninety-sixth most abundant element in life.
 - cs. Hassium is the ninety-seventh most abundant element in life.
 - ct. Meitnerium is the ninety-eighth most abundant element in life.
 - cu. Darmstadtium is the ninety-ninth most abundant element in life.
 - cv. Roentgenium is the one hundredth most abundant element in life.
 - cw. Copernicium is the one hundred and first most abundant element in life.
 - cx. Nihonium is the one hundred and second most abundant element in life.
 - cy. Flerovium is the one hundred and third most abundant element in life.
 - cz. Livermorium is the one hundred and fourth most abundant element in life.
 - da. Tennessine is the one hundred and fifth most abundant element in life.
 - db. Oganesson is the one hundred and sixth most abundant element in life.

Chemical Nature of Life: Ch. 2

1. Matter consists of atoms and molecules. Atoms are the smallest particles of matter that cannot be created or destroyed. Molecules are made up of two or more atoms joined together by chemical bonds. The chemical nature of life is determined by the chemical bonds between atoms and molecules. The chemical bonds between atoms and molecules are of two types: ionic bonds and covalent bonds. Ionic bonds are formed between a metal and a non-metal. Covalent bonds are formed between two non-metals. The chemical bonds between atoms and molecules are of two types: single bonds and double bonds. Single bonds are formed between two atoms. Double bonds are formed between two atoms. The chemical bonds between atoms and molecules are of two types: saturated bonds and unsaturated bonds. Saturated bonds are formed between two atoms. Unsaturated bonds are formed between two atoms. The chemical bonds between atoms and molecules are of two types: primary bonds and secondary bonds. 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Reviews

This publication might be well worth a read through, and much better than other. It is amongst the most incredible book i actually have read through. I am delighted to tell you that here is the finest book i actually have read through inside my own life and could be he best ebook for possibly.

(Aracely Hickie)

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