Quiz 5:	Introduction to Chemistry II Lecture Spring 2021 Dr. Hahn (9 am MWF) 3/24/21 Wednesday	The Citadel
Name	Kon test #	
MULTI questio	IPLE CHOICE. Choose the one alternative that best completes the statement or answers the gon, 20 pts, there is one extra credit question)	uestion. (5 pts per
	1) Choose the one incorrect statement.	1) B
	A) Enzymes are catalysts which are mostly made of protein.	*/
	B) An enzyme substrate is the molecule which inhibits the action of the enzyme.	
	C) Enzyme induced fit means that the substrate fits into the enzyme to form an enzyme /	
	substrate complex . If the substrate does not fit into the enzyme, the catalysis does not	
	happen.	
	D) A catalyst is a substance which makes the reaction go to product easier and faster than	
	without a catalyst. A catalyst is not consumed during the reaction.	~
	mental a catalyst is not consumed during the reaction.	
	2) Choose the one incorrect statement	2)
	A) Two types of nucleic acids are DNA and RNA.	2)
	B) Nucleic acids are natural polymers with sugar and phosphate backbone with heterocyc	dia
	bases attached to the backbone.	.IIC
	RNA consists of a double helix while DNA consists of a single helix.	
	D) All amino acids are coded by a 3 nucleotide RNA sequence.	
	2) I'm annio actas are coaca by a stracteorac rayst sequence.	
	3) Choose the one best statement.	2)
	A) Aspirin, ibuprophen and naproxen are all NSAIDS.	3)
	B) NSAIDS work by blocking the cox enzyme.	
	C) NSAIDS work by blocking prostaglandins.	
	D All statements are true.	
	D) All statements are true.	
	O Maria Cal Call	2
	4) Which of the following are not a real side effect of some common pain relievers (analgesics)	
	A) Aspirin acts as an antocoagulant so it is recommended to reduce the likelihood of heart	attack
	and stroke.	
	B) Aspirin overdoes cause kidney and liver diseases especially when mixed with alcohol.	
	C) Celebrex causes strokes and heart diseases.	
	D) Aspirin causes stomach bleeding.	
		B
	5) Choose the one incorrect statement.	5)
	<ul> <li>A) An agonist binds to a receptor and has a similar effect. An antagonist inhibits the drug blocking the receptor.</li> </ul>	; by
	B) Fentanyl, hydrocodone and methadone are found naturally in the poppy seed.	
	C) Opium from the poppy seed is a narcotic. Morphine is a component of opium	
	D) Heroine and Codeine are both derivaties of morphine.	
	, and a source of morphine.	

Quiz 6:	Introduction to Chemistry II Lecture	e Spring 2021 Dr. Hahn (9 am MWF) 4/9/21 Wednesday The Cita	adel
Name	Ken	test #	
MULTI question	PLE CHOICE. Choose the one al a, 20 pts, there is one extra credit	Iternative that best completes the statement or answers the question question)	. (5 pts per
	) The natural chemical which pro		1)
	A) norephephrine (C) serotonin	B) epinephrine D) norephinephrine agonists	
	C) gerotorian	D) notepitute agonists	
	2) Choose the one incorrect statem	nent	2) 1
		structure which includes testetosterone and estrogen.	2)
	B) stimulants such as cocaine elevate moods.	e and amphetamines increase alertness, speed mental processes and	# <b>-</b>
	C) In 1900 the leading causes	s of death were all related to infections. In 2015 the leadin gcauses	
	of death in the US are hea	art disease, cancer and similar life style diseases.	
	D) Antibacterial drugs (such bacteria.	as penicillin) work on viruses while antiviral drugs work on	
	s) choose the one incorrect statem	ent	3) (.
		oppy is a narcotic. Morphine is a component of opium	3)
	B) Heroine and codeine are b		
		nd methadone are all components of opium.	
		hhibit morphine by binding to morphine receptors.	
	Choose the one incorrect statem	nent	4)
		with plenty of oxygen and leads to conversion of glycogen to carbon	7
	dioxide and water,		
	B) Anabolic steroids increase	e muscle mass and can enhance athletic performance but are banned	
	in most athletic competition	on.	n 184 184
	C) Muscle can be built by eat		
	D) Vitamin D is needed for ca	actum absorption.	
SHORT	ANSWER. Write the word or ph	hrase that best completes each statement or answers the question.	
	s) Show your calculation of BMI fo	for a person who is 5 foot 9 inches tall and weighs 180 5)	26,1
	poulus.		,
	BMI = (1	(05) (body weight (15)	
		(height (in))2	
	5	124 (2)	
	) * _	12" = 60 69ihche	
		$\frac{105)(180)}{(69)^2} = \frac{126900}{4761} = 26.$	70.
	BMI=	100/(100) = 100 = 26,	1 10
	71.7	$-\frac{1}{(69)^2}$ - 4761	
		Dr. Hahn Intro II Lecture Quiz 6	