English Name:	Class:

Topic 16 Machines and Computational Models – Worksheet

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cabulary						
computer						
	at takes some k vides some kin		om its surroui	ndings, <i>proces</i> s	ses the input ac	ccording to given
embedded s	ystem					
A device with	a computer in	side that is con	figured for a	dedicated purp	ose.	
computation						
A computatio	nal model defi	nes the compor	nents of a syst	em and the rul	es of behaviou	ır.
A computatio	nal model is de	esigned to be si	mulated on a	computer to pi	edict behavior	:
ort Answer What is the d	lifference betw	veen a comput	er and a fund	ctional machi	ne.	
Give an exan	nple of <i>negoti</i>	ation in techno	ological devi	ces.		

	SE Computer Science – Unit 4 oic 16 Machines and Computational Models	English Name: - Worksheet	Class: ©2025 Chris Nielsen – www.nielsene	edu.com
d.	In a simulation of the famous game theory thoug explain why each prisoner may be considered an		e Prisoner's Dilemma",	(4)
e.	In what ways may each individual cell in "Conw	ay's Game of Life'	' be considered an <i>agent</i> ?	(2)
f.	In what ways may each individual cell in "Conw	ay's Game of Life'	' be considered not an <i>agent</i> ?	(2)
g.	Can an algorithm be a computational model? Ex	plain why. (An exa	mple may be helpful.)	(3)