PHI 2010 – Team-based Assignment: Science as Problem-solving Name:							
<u>Instru</u>	ictions:	Write name legibly. Explain so that smart people who have not taken of	our class will understand.				
-		e following sentences.					
Larry	Laudan	defines scientific progress in terms of "achieving	" (p. 2)				
"Truth or apodictic certainty" are " properties." (p.							
Laudo	ın claim	s that "the aim of science is to					
			" (p.2)				
For Lo	audan, s	cience progresses "just in case					
Indica	ate whe	ther the following statements are true or false by underlining one or	the other option.				
True		Laudan thinks that the goal of science is to reveal the truth.	опо сополорион				
True	False	Laudan thinks that if science is supposed to reveal the truth, then scie	ence does not progress.				
True	False						
True	False	Both Laudan and Kuhn think that problem-solving is an important fed	ature of science.				
True	False	Both Laudan and Kuhn think that problem-solving is the distinctive fe	ature of science.				
True	False	Laudan thinks that theories are supported (i.e., more probably true) v	when they solve problems.				
Comp	lete the	e following arguments based on the corresponding prose.					
w m ar Aı	e do not akes pro ncient ei nd that'.	If of science is transcendental (e.g., truth), then science cannot make protect even agree on what we mean by 'truth' or how we are supposed to according to a suppose that science has a lemental theory (that everything is made of elements like earth, air, was absurd! So clearly, the goal of science is not transcendental.	ccess it. But surely science not improved upon ater, fire) or geocentrism.				
th	en						
 Ви	ut						
		now this because if we) assume the opposite: that					
	then_						
	And ti	hat is absurd.	·				
Tł	nerefore	e, it is not the case that					
	•						

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(b)	If science makes progress on its goal(s), then the goal of science is non-transcendantal. And surely science makes progress on its goal(s). To deny that would be to suggest that science has not improved upon ancient elemental theory (that everything is made of elements like earth, air, water, fire) or geocentrism. And that's absurd! So, clearly the goal of science is not transcendental. If					
	then					
	And					
	(We know this because if we) assume the opposite: that					
	then					
	And that is absurd.					
	Therefore, it is not the case that					
	If we can clearly demarcate science from pseudoscience, then distinctions between science and so-called pseudoscience would not obtain between the special sciences. But distinctions between science and so-called pseudoscience do obtain between the special sciences. For instance, some distinguish science from pseudoscience by claiming that one is predictive, testing its hypotheses only against the future outcomes of experiments, and the other is postdictive, testing its hypotheses against past outcomes. But that distinction also obtains between experimental sciences like and historical sciences like geology. So, clearly we cannot demarcate science from pseudoscience.					
	If					
	then					
	But					
	Therefore, it is not the case that					

Explain what Laudan thinks are the two "merits" of his (problem-solving) view of science (p. 2).

PHI 2010 – Team-based Assignment	ent: Science as Problem-	solving Nam	e:	
Indicate whether the following s	tatements are true or fa	alse by underlining on	e or the oth	er option.
True False Laudan thinks the				•
Kuhn and Popper offered a "den	narcation criterion betw	een science from non	-science". La	audan calls these
"an unqualified				″ (p. 8).
Classify the following claims acc	ording to the views of so	cience we have discus	sed. Check a	ill that apply.
Economics is unscientific because	when its predictions fail	l, it does not abandon	the correspo	onding theories.
☐ Deductivism/Falsificationism	☐ Narrow inductivism	☐ Wide Inductivism	☐ Holism	☐ Puzzle-Solving
Psychology is scientific because w	hen its predictions fail, i	t conducts more exper	riments to ur	nderstand why.
☐ Deductivism/Falsificationism	☐ Narrow inductivism	☐ Wide Inductivism	☐ Holism	☐ Puzzle-Solving
Astronomy is scientific because it	is unbiased in its data co	ollection; it just scans	the skies unt	il it finds patterns.
☐ Deductivism/Falsificationism	☐ Narrow inductivism	☐ Wide Inductivism	☐ Holism	☐ Puzzle-Solving
Sy Entiss thinks that the aim of sompeting theories are conclusive approximate truth." You know thinks that the aim of science is science solves, according to Lauc solved by a scientific theory (p. 4)	vely true and which are hat Larry Laudan thinks problem-solving. Tell Sy dan (pp. 2-3). And expla	conclusively not true, that this view of scier Entiss about the two	but experin nce has failed main kinds	nents provide d. Instead, Laudan of problems that
Sy Entiss isn't having it. "How ar cannot appeal to truth?" Help ai "adequate" than a rival theory (nswer Sy's question by e	explaining how theori	es can be mo	ore or less