		e <i>modus tollens</i> form of argument by which we <u>reject</u> hypotheses (2a in Hempel reading).
		, then
So,		
Write	down th	e modus ponens form of argument by which we support hypotheses (2b in Hempel reading
f		, then
And		
		ner the following statements are true or false by underlining one or the other option.
Γrue	False	The form of argument by which we reject hypotheses is (deductively) valid.
rue	False	The form of argument by which we affirm hypotheses is (deductively) valid.
rue	False	Hempel thinks that we can conclusively disprove hypotheses.
rue	False	Hempel thinks that we can conclusively prove hypotheses.
a) To	orricelli fo nat is who obably do	following argument forms based on the corresponding scientific theories. und that mercury can be pumped only a 14 th as high as water can be pumped above its pump at we would expect if earth's atmosphere exerts downward pressure. So earth's atmosphere bes exert downward pressure. , then we
•		
If		erve
If w		erve
If w	e did obs	bably the case that
If . W So So (b) Po	e did obs o, it is pro ascal four e mounto essure at	
If we would be seen to see the seen to see the seen to see the seen to see the	e did obs o, it is pro ascal four e mounta essure at	bably the case that Index that his barometer's mercury at the top of a mountain was lower than it was at the bottom ain. That is what we would expect based on the hypothesis that there is less more atmosphere higher altitudes. So that theory of atmospheric pressure is probably true.

		nferences are sometimes described as leading from	
τα)		" (p. 7
b) "t	he premis	ses of an inductive inference are often said to	
_		, whereas the premisse	es of a deductive inference
_			
omp	olete the	ollowing claims from Hempel (using Hempel's words).	
c) "I	acts/date	are relevant to a hypothesis if either	
		can be	the hypothesis" (p. 9)
		er things, what data should be collected at a given point in scientific in	
	_	bjectivity is safeguarded bythe checking of	
e) :	scientific d	INIPCTIVITY IS SATPALIARAPA NV. TAP CAPCKINA AT	
	,		
		bjectivity is sujeguarded bythe checking of	
– f) "t			″ (p. 12).
	he maxim		" (p. 12). theses about the
co	he maxim	that data should be gathered without guidance by antecedent hypotomong the facts under study is	
co	he maxim	that data should be gathered without guidance by antecedent hypot	
CC CE	the maximonnection	that data should be gathered without guidance by antecedent hypotomong the facts under study is	
co ce ndica	the maximonnection	that data should be gathered without guidance by antecedent hypotogramong the facts under study istter the following statements are true or false, according to Hempel.	
co ce ndica	the maximonnections	that data should be gathered without guidance by antecedent hypotogramong the facts under study is t er the following statements are true or false, according to Hempel. Hempel thinks that scientists do not consider hypotheses until they	theses about the theses about the fighter of the control of the co
co ce ndica	che maximonnections ertainly no ate wheth False	that data should be gathered without guidance by antecedent hypotos among the facts under study is t er the following statements are true or false, according to Hempel. Hempel thinks that scientists do not consider hypotheses until they and classified all of the facts. (p. 9)	theses about the theses about the fighter of the control of the co
co ce ndica rue	che maximonnections ertainly no ate wheth False	that data should be gathered without guidance by antecedent hypotogramong the facts under study is er the following statements are true or false, according to Hempel. Hempel thinks that scientists do not consider hypotheses until they and classified all of the facts. (p. 9) Hempel thinks that scientists should not consider hypotheses until	theses about the theses about the fighter of the control of the co
co co ndica rue rue rue	che maximonnection. crtainly no ate wheth False False False False False	that data should be gathered without guidance by antecedent hypotos among the facts under study is er the following statements are true or false, according to Hempel. Hempel thinks that scientists do not consider hypotheses until they and classified all of the facts. (p. 9) Hempel thinks that scientists should not consider hypotheses until analyzed, and classified all of the facts. (p. 9) Hempel thinks that science is objective. (p. 12) Hempel thinks that science is unbiased. (p. 8-10)	theses about the , and it is
rue rue rue rue	che maximonnections ertainly no ate wheth False False False False False	that data should be gathered without guidance by antecedent hypotos among the facts under study is	theses about the
rue rue rue rue rue rue	che maximonnection. crtainly no ate wheth False False False False False False False False	that data should be gathered without guidance by antecedent hypotogramong the facts under study is	theses about the, and it is, and it is, " (p. 9) have gathered, analyzed they have gathered, eses to be true. (p. 13-14)
rue rue rue rue rue rue rue	rhe maximonnections ertainly no ate wheth False False False False False False False	that data should be gathered without guidance by antecedent hypotos among the facts under study is	theses about the
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οι	ınt the	four-step, "narrow inductivist" (Baconian) scientific method that Hempel quotes (or lists) (p
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2		
3		
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4	•	
		words, recount Hempel's reasons to think that narrow inductivism is a non-starter.
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Α	•	
Α	·	
A B	·	
A B	·	
Α	·	
A B C		two premises support the conclusion?
A B C	e first	two premises support the conclusion? All flowers have petals. Roses have petals. So, roses are flowers.
A B C	e first No	two premises support the conclusion? All flowers have petals. Roses have petals. So, roses are flowers. If something is a flower, then it has petals. Roses have petals. So roses are flowers
A B C	e first No No	two premises support the conclusion? All flowers have petals. Roses have petals. So, roses are flowers. If something is a flower, then it has petals. Roses have petals. So roses are flowers All vehicles have wheels. Boats are vehicles. So, boats have wheels.
A B C	e first No No No	two premises support the conclusion? All flowers have petals. Roses have petals. So, roses are flowers. If something is a flower, then it has petals. Roses have petals. So roses are flowers All vehicles have wheels. Boats are vehicles. So, boats have wheels. Is something is a vehicle, is has wheels. Boats are vehicles. So, boats have wheels. If the earth is flat, then horizons will seem flat. Horizons seem flat. So, the earth is flat.
A B C	e first No No No No	two premises support the conclusion? All flowers have petals. Roses have petals. So, roses are flowers. If something is a flower, then it has petals. Roses have petals. So roses are flowers All vehicles have wheels. Boats are vehicles. So, boats have wheels. Is something is a vehicle, is has wheels. Boats are vehicles. So, boats have wheels.
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