	The hypothetico-deductive method pesecurches Plesalive process, meaning that the pesecurches may need to repeat the steps for several time
1	may need to repeat the sleps to refine a hypothesis until the satisfacion is found.
	Un Hate Andrew
	Hypothetico-Deductive
-	method
	The hypothetico-deductive
	method is a scientific approach
	10 problem - salving that
	Envolves the farmulation of
	hypothetis and testing of these
	hypothesis through experimentation
	and observation.
	The hypothetico-deductive
	method is consist of following
	Seven steps;
	observation .
	· Preliminary information gathering
	· Theory farmulation
	· Hypothesizing
	Data collection
	Data Analysis
	The sprelation of pata.
	Observation:
	this is the first step
	in hypothetico-deductive method
	at which the researcher makes
	observations of a phenomenon
	or problem that needs an

The showing ton	
explanation. The observation	
can be made through	
mothandi (IICh Co	
observation surveys and measur	e-
monte	
For example a researcher	#:
observes that plants in a	
particular area are not grown	o y
well and there appears a	
problem with soil.	
Problem Coun Soil.	
Preliminary information	
gathesing:	
After making observations	
the researcher gatheres the	
preliminary information about	alles
the phenomenon or problem.	
the Enformation may include	
data from previous studies.	
information about the factors	
that could influence the	
phenomenon or background	
Enformation that help and	
quicle the researcher.	
For example the researcher	
gathess pseliminary information	

about that areas soil	
and lity, the composition of the	
is of and the types	
that grow in the area.	
Theory farmulation:	
Based on preliminary	
Charles on the	
Information gathering the	
xeseasches formulates a theory	
of a general explanation	
for the phenomenon gt will	
provide a frame work for	
unclesstancing the phenomenon.	
Pased on gathered	
Information the researcher will	
formulate a theory that the	
soil's nutsient level is	
low and this cousing the	
low and manutha	
prant's poor growthy	
Hypothesizing: once the theory es	
formulated the sesearcher will	
formulates of specific hypothesis. statement called a hypothesis.	
The hypothesis predict the	
The hypothesis predictionship between variables	

	and provide a way to test
1	the thouse. The imported
	must be lesicible) and
	falsifiable to be considered
	scientific
	Fox example the researcher
	will execute hypothesis that
	"if the snils neutrients level
	Preseased then plant's growth
	will improved."
	Data Collection:
	The hypothesis es
	tested through clasa collection
	The researcher clesign an
	experiment or observation to
	collect data that will test
	The hypothesis. The eo, lected
<u>-2007</u> - 13 de - 1	doto should be valid and
	Seliable.
	for example the researcher
	clesigns an experiment to test the hypothesis. The experiment
	the hypothesis. The experiment
	acides acident waxing
	observing how plants grow over time.
	now plants grow over time.
- maye - when	

The eallected data S analyzed to determine If the hypothasis is suported y evidence. Statistical analysis is often used to test the Significance of the data. For dato analysis the researches will looks for patterns, trends, or other relationship between Versiables; Interpretation of clata: Based on the clata analysis results, the researches will interprete the clata and clraws conclusions about hypothesis. If the evidence support hypothesis researches will accept it. If is not supported hypothesis researches will evidence support hypothesis of econolucic exclutional			
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