Activity: Confirmation Bias and Pseudoscience

Part I. Falsifiability

In this section, you will evaluate whether a given hypothesis is structured in a way that it can

on this section, you will evaluate whether a given hypothesis is structured in the scientifically tested and potentially disproven. If a hypothesis is not falsito rewrite it so that it is.	v
1. Hypothesis: "Meditating daily will make you feel more spiritually conn	iected."
i) Is it falsifiable? Explain why or why not:	
ii) If not, rewrite it as a falsifiable hypothesis:	
2. Hypothesis: "Eating blueberries improves memory performance."	
i) Is it falsifiable? Explain why or why not:	
ii) If not, rewrite it as a falsifiable hypothesis:	

3. Hypothesis: "A person's star sign influences their personality."
i) Is it falsifiable? Explain why or why not:
ii) If not, rewrite it as a falsifiable hypothesis:
4. Hypothesis: "Listening to classical music improves concentration."
i) Is it falsifiable? Explain why or why not:
ii) If not, rewrite it as a falsifiable hypothesis:
Part II. Validating a Hypothesis
Instructions : For each hypothesis below, identify what evidence or test would need to be conducted to confirm or disconfirm it.
1. Hypothesis: "If a plant is watered daily, then it will grow taller."
i) Test Needed to Confirm:
ii) Test Needed to Disconfirm:

exam."
i) Test Needed to Confirm:
ii) Test Needed to Disconfirm:
Hypothesis: "If a person exercises regularly, then they will have a lower resting heart rate." i) Test Needed to Confirm:
ii) Test Needed to Disconfirm:
 Hypothesis: "If a car has more than 100,000 miles, then it will require more frequen maintenance." i) Test Needed to Confirm:
ii) Test Needed to Disconfirm: