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**Part 2.2 Answers**

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1. This is an **observational study** because the researchers had no control over the explanatory variable, childhood IQ. The researchers could only record the assessed childhood IQ. The response was whether or not the individual had suffered from a mental disorder during adulthood.
2. This is an **experiment** because the researchers allocated individuals to two groups and decided that one **group** would receive a low dose of aspirin and the other group would receive a placebo. The treatments are aspirin and placebo. The response was whether or not the individual had a heart attack during the study period of about five years.
3. This is a **poll** as the final result would give a percentage of people in each group.
4. This is a **survey** as the final result would allow population parameters such as means, medians or quartiles to be estimated.
5. Poll
6. Observational Study
7. Survey
8. Experiment