

Pick up a Chromebook
and a Textbook

9-3 key

1. A

2. A

3. D

18. **Method** – not clear. There is no indication that the samples were selected randomly.
Bias – possible convenience sample. Since there is no indication of randomization, the samples may have been taken from easily accessible areas. Soil in these areas may be more or less polluted than the soil in general.

19. **Method** – cluster sample of an area, stopping all cars in the cluster
Bias – undercoverage. The cars stopped might not be representative of all cars because of time of day and location. The locations are probably not chosen randomly, so they might represent areas in which it is easy to set up a roadblock, resulting in a convenience sample.

20. **Method** – multistage sampling. Presumably, they take a simple random sample of 10 cases, followed by a simple random sample of one bag from each case.
Bias – no indication of bias

Day 4 Practice from Day 1 - 3

1. Khan Academy - Sampling Bias

<https://www.khanacademy.org/math/ap-statistics/gathering-data-ap/sampling-observational-studies/a/identifying-bias-in-samples-and-surveys>

2. Pages 236-237 #1-8.

3. Packet Page 17-18 (Definition and Example)

skip the first two (parameter and statistic)