

W5. Data Collection and Exploration

1. Write QN for Quantitative Data or QL for Qualitative Data.

Example	QN / QL
a) 32°C	_____
b) "The food tastes good."	_____
c) 45 students	_____
d) "The website is confusing."	_____
e) 2 hours of screen time	_____
f) The classroom is too noisy	_____

2. Write P for Primary Data or S for Secondary Data.

Example	P / S
a) Interviewing classmates about lunch	_____
b) Using a report from a government website	_____
c) Measuring classroom temperature yourself	_____
d) Using attendance records from last month	_____
e) Observing students during lunch	_____
f) Using weather data from a website	_____

3. Choose the best method from the box.

Interview / Survey / Observation / Experiment / Document Review / Census

Question	Best Method
a) What do students think about the school website?	_____
b) How many students bring water bottles?	_____
c) Does sunlight affect plant growth?	_____
d) What was the attendance rate last month?	_____
e) How many people live in one district?	_____
f) What do students feel about online homework?	_____

4. Choose one question and then answer the questions below.

- ☐ What affects students' sleep time?
- ☐ What food is most popular in the canteen?
- ☐ How much screen time do students have?
- ☐ What makes students spend money?

a) What data do you need?

b) What type of data is it?

☐ Quantitative

☐ Qualitative

☐ Both

c) Where will the data come from?

d) Which data collection method will you use?

e) Is it primary or secondary data? Why?
