Double gap:

1. [-subject gap] & [-object gap]
2. [+subject gap] & [-object gap]
3. [-subject gap] & [+object gap]
4. [+subject gap] & [+object gap]

2 x 2 x 2 x 2 = 16 conditions

Sample sentence from Wilcox et al. 2018:

[My brother knows]prefix [that/what]filler [the lion]subj [devoured]verb [the gazelle]obj [on the savannah.]modifier

Sentence template:

Prefix + [filler] + [subj gap] + verb + [obj gap] + modifier

A complete set of conditions in one item:

[-filler, -gap]

My brother knows [that] the lion devoured the gazelle on the savannah.

[-filler, +gap]

My brother knows [that] [ \_\_ ] devoured the gazelle on the savannah.

My brother knows [that] the lion devoured [ \_\_ ] on the savannah.

My brother knows [that] [ \_\_ ] devoured [ \_\_ ] on the savannah.

[+filler, -gap]

My brother knows [what] the lion devoured the gazelle on the savannah.

[+filler, +gap]

My brother knows [what] [ \_\_ ] devoured the gazelle on the savannah.

My brother knows [what] the lion devoured [ \_\_ ] on the savannah.

My brother knows [what] [ \_\_ ] devoured [ \_\_ ] on the savannah.

Prefixes:

Pronouns: he, she, we, I, they

Proper names: Mary, John, James, Alice, Alex

Occupations: The writer, The police, the students, the mother, the engineer, the prince

Animals: the dog, the cat, the rabbit, the lion, the rat

+verbs:

Epistemic verbs: know, believe, think, realize

Stative verbs/adj predicate: like, love, hate

Others: tell, said, predict

Also passive constructions are allowed, but make sure to balance them: is told, is informed

Embedded clause:

Verb: transitive verbs, once place predicates only

Modifier: temporal/locative PPs

Sentences:

1. [James realized]\_prefix [that/what]\_filler [the dog]\_subj [chased]\_verb [the cat]\_obj [through the yard.]\_modifier
2. [The students think]\_prefix [that/what]\_filler [the cat]\_subj [caught]\_verb [the mouse]\_obj [under the couch.]\_modifier
3. [Mary realized]\_prefix [that/what]\_filler [the rabbit]\_subj [ate]\_verb [the lettuce]\_obj [from the garden.]\_modifier
4. [John knows]\_prefix [that/who]\_filler [the police]\_subj [found]\_verb [the thief]\_obj [in the alley.]\_modifier
5. [The children know]\_prefix [that/who]\_filler [the clown]\_subj [chose]\_verb [the volunteer]\_obj [from the crowd.]\_modifier
6. [The prince said]\_prefix [that/what]\_filler [the servant]\_subj [cleaned]\_verb [the hall]\_obj [before the guests arrived.]\_modifier
7. [We know]\_prefix [that/what]\_filler [the horse]\_subj [kicked]\_verb [the fence]\_obj [near the stable.]\_modifier
8. [They laughed over]\_prefix [that/what]\_filler [the dog]\_subj [chased]\_verb [the squirrel]\_obj [through the park.]\_modifier
9. [The police know]\_prefix [that/what]\_filler [the thief]\_subj [stole]\_verb [the painting]\_obj [from the museum.]\_modifier
10. [Alice realized]\_prefix [that/what]\_filler [her mother]\_subj [prepared]\_verb [the meal]\_obj [in the kitchen.]\_modifier
11. [The teacher liked]\_prefix [that/what]\_filler [the student]\_subj [answered]\_verb [the question]\_obj [during the test.]\_modifier
12. [Jack guesses]\_prefix [that/who]\_filler [the teacher]\_subj [called]\_verb [the parents]\_obj [after the meeting.]\_modifier
13. [Alex knows]\_prefix [that/what]\_filler [the lion]\_subj [attacked]\_verb [the zebra]\_obj [near the river.]\_modifier
14. [The tourists realized]\_prefix [that/what]\_filler [the guide]\_subj [lost]\_verb [the map]\_obj [during the hike.]\_modifier
15. [The scientist predicts]\_prefix [that/what]\_filler [the storm]\_subj [damaged]\_verb [the equipment]\_obj [at the research station.]\_modifier
16. [The writer is told]\_prefix [that/what]\_filler [the editor]\_subj [accepted]\_verb [the article]\_obj [for the next issue.]\_modifier
17. [The mother loves]\_prefix [that/what]\_filler [the child]\_subj [builds]\_verb [the tower]\_obj [with colorful blocks.]\_modifier
18. [The children loved]\_prefix [that/what]\_filler [the magician]\_subj [revealed]\_verb [the trick]\_obj [at the end of the show.]\_modifier
19. [The detective suspects]\_prefix [that/who]\_filler [the man]\_subj [followed]\_verb [the victim]\_obj [to the station.]\_modifier
20. [The principal knows]\_prefix [that/who]\_filler [the counselor]\_subj [helped]\_verb [the student]\_obj [after the exam.]\_modifier