EXERCISE 4.2 Gap fill

The next two excerpts are taken from different introductions, and each contains an example Stage III. Fill in each blank space with an appropriate signal word.

A. THE EFFECT OF MICROCOMPUTER-ASSISTED INSTRUCTION ON THE COMPUTER LITERACY OF FIFTH GRADE STUDENTS

Thus, the research literati	ure suggests that computer
assisted instruction (CAI) is somew	hat more effective thon
conventional instruction in promotir	ng student achievement, improv-
ing student attitudes, and decreasi	ng the amount of time needed
for instruction.	, there is very
research that reveals how CAI a	affects students' knowledge or
feelings about computers.	

B. SOME CHEMICAL EFFECTS IN FATIGUE CRACKING OF VULCANIZED RUBBER

A recent study (1) of the failure of rubber	strips due
to repeated stretching has indicated that the proces	ss is caused
by gradual tearing. The tear begins as a small flaw	and then
gradually increases until catastrophic failure occurs. T	his simple
theory is remarkably successful in predicting the fatig	ue life of
strips of soft vulcanized rubber (1,2)	there
is some evidence that chemical processes may also	contribute
to rubber fatigue, there is lite	rature
available concerning this possibility.	

EXERCISE 4.3 Identification/Arrangement

The following sentences are taken from an introduction to a research report in the field of environmental engineering. Identify the stage that each sentence represents (from 1 to IV), and then number the sentences in the order you believe the authors used when they wrote the report. You may find more than one sentence for each stage.

UPGRADING LAGOON EFFLUENTS WITH ROCK FILTERS

а.	Very simply, a rock filter consists of a submerged bed of rocks through which the lagoon effluent is passed horizontally (1)
b.	However, previous research on rock filters has not fully identified the basic algal removal mechanism or developed a rational design method based on this mechanism.
C.	Aerobic stabilization lagoons are commonly employed by small cities and isolated industrial plants for waste water treatment.
d.	The objective of this project was to confirm that sedimentation is the primary removal mechanism operating within rock filters.
e.	To remove algae from lagoon effluents, a variety of techniques has been proposed including micro-straining (2) and chemical coagulation and sedimentation (9).
f.	An additional promising alternative for the removal of

EXERCISE 4.4 Transformation

Rewrite each of the Stage IV statements given here, changing the orientation from *research* to *report*, or vice versa. Make any necessary changes in word choice and verb tense.

algae from lagoon effluents is therock filter. (6, 7, 8, 11, 12)

- 1. This thesis develops and explains a « digital computer simulation capable of accompanying both symmetrical and asymmetrical mutual coupling between parallel circuits.
- 2. The aim of this investigation wastostudy the groundwater conditions in the closed Animos Basin to aid in evaluating the hydrologic conditions of the area.
- 3. The experiment to be described below was an attempt to provide some further data on the role and position of a summary in a research report, using natural materials.
- 4. The purpose of this research was to further investigate and characterize the Sanitary Engineering Research Laboratory reactor system.
- 5. Thispaperwill discuss somedemographic factors which might be important for queen rearing in African honeybee colonies.

EXERCISE 4.6 Gap fill Exercise

Fill in an appropriate modal auxiliary in each blank space in the following Stage IV and V statements.

1.	The study reported here was made to determine whether solar space-heating and domestic hot-water systems for single-family residences be economically competitive with conventional gas systems.
2.	The study reported here examined patterns of health-care use. It attempted to determine if public health education programs for lower socioeconomic level consumers result in increased use of the service.
3.	The purpose of this study was to learn more about the food buying practices of university student wives so that areas of weakness or lack of knowledge be exposed to those who are responsible for planning course work and programs in consumer education.
4.	This report compiles the history of locally owned retail clothing stores in the Southwest. The perspectives of the successes and failures in this retail sector be of use to those who are considering entering the market in this area.