1. Armtech, a temporary-employment agency, previously gave its employees 2.5 paid vacation days after each 700 hours worked. Armtech's new policy is to give its employees 5.0 paid vacation days after each 1,200 hours worked. Therefore, this new policy is more generous to Armtech employees in giving them more vacation days per hour worked than the old policy did. Which of the following is an assumption on which the argument depends (A) Most current Armtech employees approve of the company's new vacation policy. (B) A few Armtech employees leave the company before having worked 700 hours. (C) Most Armtech employees were not aware that the company planned to change its vacation policy until after it had already done so. (D) A significant portion of Armtech employees stay with the company long enough to work for 1,200 hours. (E) Armtech's new vacation policy closely matches the vacation policies of competing temporary employment agencies. 2 The global population of frogs has declined in recent years while the amount of ultraviolet radiation reaching the Earth has increased. Since the genetic material in frog eggs is harmed when exposed to ultraviolet radi- ation, and since the eggs themselves are not protected by shells or leathery coverings but are gelatinous, the frog population decline is probably due, at least in part, to the ultraviolet radiation increase. Which of the following, if true, provides the

strongest support for the argument

(A) Even in those regions where there has been no significant increase in ultraviolet radiation, only a small proportion of the frog eggs that are laid ever hatch. (B) In areas where there has been the least decline in frog populations, populations of species of insects that frogs eat have decreased. (C) The eggs of frog species whose populations are declining tend to have higher concentrations of damaging pesticides than do the eggs of frog species whose populations have not declined. (D) In many places where turtles, which lay eggs with tough, leathery coverings, share habitats with frogs, turtle populations are also in decline. (E) Populations of frog species that hide their eggs beneath rocks or under sand have declined considerably less than have populations of frog species that do not cover their eggs.

Questions 3-8

A doctor is scheduling one appointment each with five patients J, K, L, M, and N. The five appointments will be consecutive and are numbered 1 through 5, from earliest to latest. The doctor must schedule at least four of the patients for appointments preferred by those patients and cannot schedule any patient for an appointment unac- ceptable to that patient. The following is a complete list of what the patients prefer and, if they do not receive their preferences, will accept

J prefers an appointment earlier than appointment 3, but will accept any appointment. K prefers appointment 2, but will accept any appoint- ment except appointment 1. L prefers appointment 1, but will accept appointment 5. M prefers and will accept only an appointment later than appointment 3. N prefers and will accept only appointment 3.

3. Which of the following lists the patients in an

order in which their scheduled appointments can occur, from appointment 1 through appointment 5 (A) J, K, N, L, M (B) J, M, N, K, L (C) K, J, N, M, L (D) L, J, K, N, M (E) L, J, N, M, K 4.If J is scheduled for appointment 2, which of the following can be true (A) K is scheduled for appointment 3. (B) K is scheduled for appointment 4. (C) L is scheduled for appointment 4. (D) L is scheduled for appointment 5. (E) M is scheduled for appointment 1. 5.If L is scheduled for appointment 5, which of the following must be true (A) J is scheduled for appointment 1. (B) J is scheduled for appointment 2. (C) J is scheduled for appointment 4. (D) K is scheduled for appointment 4. (E) N is scheduled for appointment 5. 6.Which of the following is a complete and accurate list of patients any one of whom can be the patient scheduled for appointment 2 (A) K (B) J, K (C) J, M (D) J, K, L (E) K, L, M 7.If M is scheduled for appointment 5, which of the following can be true of the scheduling (A) J's appointment is appointment 1. (B) N's appointment is appointment 1. (C) J's appointment is earlier than K's appointment. (D) K's appointment is earlier than L's appointment. (E) N's appointment is earlier than L's appointment. 8.If K's appointment is scheduled for a time later than N's appointment, which of the following must be true (A) J is scheduled for appointment 4. (B) K is scheduled for appointment 5. (C) L is scheduled for appointment 1. (D) M is scheduled for appointment 4. (E) N is scheduled for appointment 2. 100Test