

**1. What factors apply to the choice of seal?**

- a) The type of lubricant
- b) The orbital velocity
- c) Shaft fit error
- d) Spatial limitations

**2. Which inner seal has the highest frictional torque?**

- a) ZZ
- b) LLB
- c) LLU
- d) LLH

**3. Which internal seals are the most waterproof?**

- a) ZZ
- b) LLB
- c) LLU
- d) LLH

**4. Why is grease injected into the gap of the non-contact seal?**

- a) In order to have lower temperatures in the warehouse
- b) So that the friction is reduced
- c) To achieve better sealing
- d) To achieve a higher load capacity

**5. Seals are only necessary for oil lubrication, as they prevent oil leakage.**

- a) Correct
- b) Incorrect

**6. Which is the most effective non-contact sealing type?**

- a) Gap seal
- b) Gap seal with oil grooves
- c) Labyrinth seal
- d) Internal seal

**7. Which properties make it the most effective non-contact seal type?**

- a) It is the simplest type of seal
- b) It offers the highest degree of flexibility in production
- c) It has a very good sealing performance
- d) It is an inexpensive solution

**8. What are the characteristics of contact seals?**

- a) Low frictional torque
- b) High frictional heat generation
- c) Low sealing capacity
- d) Light pre-greasing is necessary before assembly

# EXERCISES



## Waterproofing



**9. Contact seals are always made of synthetic rubber.**

- a) Correct
- b) Incorrect

**10. Which of the following contact seals is used in bearings with a two-piece housing?**

- a) Labyrinth seal
- b) V-ring seal (optional for SNC)
- c) Radial shaft seal (standard for SNC)
- d) Felt ring seal (optional for SNC)

**11. Which contact seal has the highest permissible peripheral speed?**

- a) Labyrinth seal
- b) V-ring seal
- c) Radial shaft seal
- d) Felt ring seal