



## Sea Kayak Review Questions

During your assessment, you will be required to answer questions similar to those below. We are looking for what you do know, not what you don't...give as much detail as possible!

Texts such as;

- The KASK Manual,
- Dowd's "A Manual for Long Distance Touring,"
- Hutchison's "The Complete Book of Sea Kayaking",
- Navigation Sea State & Weather A Paddler's Manual Freedom of the Seas Volume 1 by Michael Pardy (Paperback - 2010),

will be invaluable sources of information.

1. Define and give an example of Dead Reckoning.
2. With explanation and diagrams show the difference between True North, Magnetic North and Grid North?
3. What is the difference between Magnetic Variation and Magnetic Deviation?
4. Describe the difference between Transits (Ranges) and Cross Bearings.
5. In 250 words put your views on the place of Awaroa Lodge in the Abel Tasman National Park.
6. List the gear needed for an overnight trip along the Banks Peninsula
7. Give 5 packing hints to a beginner on the above trip.
8. What is an average paddling speed? a) Kilometres/hour b) Knots/hour c) minutes/kilometre
9. At what wind strength (approx.) do white caps appear? What wind speed is good cut off indicator when considering a) personal and b) commercial trips?
10. List 3 hints for paddling in the wind.
11. List 2 reasons why paddling without the rudder is good practice?
12. Give an example of an appropriate venue for a) Beginner, b) Intermediate and c) Advanced paddlers in New Zealand.
13. List 4 reasons why it is good to stay close to shore.
14. What is clapotis?
15. As a Guide running a trip in the Marlborough Sounds there are two significant hazards that can impact on you and your clients experience? Discuss in detail.
16. Write a poem using ABEL TASMAN SEA KAYAKING.
17. List 3 pieces of information that you might gain from Marine Charts when planning your trip and identify how Charts differ from Topographic Maps?
18. Come up with an appropriate Sea Kayaking joke?
19. List 5 pieces of information that a good briefing should include before getting on the water.
20. What part of the kayak's equipment should ALWAYS be checked prior to getting on the water? Why?
21. List 2 references/resources that you would recommend to someone looking for information about getting into Sea Kayaking.
22. You are approaching a vessel head on; a) which side do you turn away to and b) on which side do you pass?
23. With diagrams and explanation describe the difference between spring and neap tides.
24. Define what is meant by "Chart Datum"
25. What is the significance of Beaufort Scale readings for sea kayakers?
26. Using the appropriate chart symbol, explain the difference between ebb and flood tide.
27. What is the value of the "Compass Rose" on a Marine Chart?
28. Describe using a diagram Weather and Lee shore.
29. Draw 3 paddle signals that you might use with clients when guiding.

30. How and when can the 'Rule of Twelfth's' be useful for sea kayaking?
31. What are semi diurnal tides?
32. What is the global average of atmospheric pressure at sea level in millibars?
33. What is the normal range of atmospheric pressures in NZ? I.e. the range between High and Low pressure systems.
34. Define 'isobar'
35. If you stand facing into the wind in NZ the centre of the depression is to your.....?
36. In a Low pressure system the wind circulates around the centre of the depression in a ..... direction.  
A deep depression centre will have a reading of ..... A shallow depression centre will have a reading of.....
37. In a High pressure system the wind circulates about the centre in a ..... direction. A reading of ..... is a weak high and a reading of ..... is an intense high pressure system.
38. How are sea breezes caused? What is the difference between sea breezes and katabatic winds?
39. Describe the effect of off shore wind for the following features: Headlands/crossing open bays/lee cliff line/steep sided sounds or fjords.
40. What is a williwaw?
41. In the following categories list at least 3 considerations with regard to leadership: Pre Trip/Before Launching/On Water
42. What is the industry standard regarding guide to client ratios for a) single kayaks b) double kayaks
43. Using the "Situational Leadership" idea, summarise in a paragraph group management on the water i.e. when to be front, when off to the side, when to use 'proximity,' when to lead from the back, when to be in the middle, and when to be "Rover" the sheepdog.
44. Identify the three generic headings that are commonly used to cover the majority of Causal Factors identified in any hazard analysis prior to a trip. Under each of these headings list 5 potential causal factors for a sea kayaking trip.
45. "Risk Shift" and "Get-home-it's" are identified as being amongst the most common contributing factors to accidents in the outdoors. Briefly outline what each of these terms means.
46. List 3 First Aid items that you might add to your kit to cover the unique requirements/demands of sea kayaking.
47. Summarise with a phrase and discuss Environmental Ethics with regard to sea kayaking.
48. Give the scientific name for the following clouds: Mare's Tails, Hogsbacks
49. Draw a picture illustrating and describe the following cloud types: Mare's Tails, Hogsbacks, Fair weather cumulus, Cumulonimbus
50. Discuss 5 key differences/considerations between guiding clients and doing your own personal trips with peers.

**NB. Also:**

1. **Navigation:** You will be required to complete practical examples from both Marine Charts and Topographic maps e.g. Grid References, bearings, identifying symbols
2. **Weather:** You will be required to complete specific weather analysis (see examples attached)
3. **Route/Course Planning:** incorporating known speed, tidal flow, true and magnetic bearings.

Reviewed 2011, April – Andy Thompson